Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, and renewal permit application submittals requiring certification must be accompanied by this form. Updates to acid rain or CSAPR (other than public notice verification materials) must be certified prior to authorization of public notice for the draft permit.

IV. Certification of Truth

This certification does not extend to information which is designated by TCEQ as information for reference only.

I, Brian L. Dosa certify that I am the Responsible Official.
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:
Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 02/01/2022 to 03/27/2026.
(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____
(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____
(Date 5) *(Date 6)*

Signature: [signature] Signature Date: 24 March 2026

Title: Director of Public Works, US Army Garrison, Fort Hood

AIR PERMITS DIVISION
APR 08 2026
RECEIVED

From: Clark, Michael N CIV USARMY IMCOM EUROPE (USA) <michael.n.clark.civ@army.mil>
Sent: Wednesday, April 1, 2026 12:23 PM
To: John Walker; Cassie Johnson
Cc: Jim Timmons; Will Calderon; Nick Steinke; Les Cole; Rhyan Stone; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA)
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

UNCLASSIFIED

Good afternoon Mr. Walker,
As our director cannot currently log into STEERS, I will send the wet-ink OP-CRO1 no later than tomorrow morning via certified or priority mail ensuring it will be delivered by the 8th of April.

Thank you for your continued support with our Title V!

Michael Clark
Program Manager, Clean Air Act Team and Operational Noise
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"

See our local Air Quality Index

UNCLASSIFIED

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Wednesday, April 1, 2026 12:06 PM
To: Cassie Johnson <cjohnson4@olsson.com>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA) <sean.d.goodwin2.civ@army.mil>; Clark, Michael N CIV USARMY IMCOM EUROPE (USA) <michael.n.clark.civ@army.mil>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Good Afternoon Cassie,

Form OP-CRO1 should be submitted in STEERS as an application update (the application update in STEERS would need to be signed and submitted by the RO with their STEERS account) or you can mail in the hardcopy Form OP-CRO1 with the wet-ink signature. Please see the following webpage for guidance on how to submit Form OP-CRO1 via STEERS or by mail: Where to Submit FOP Applications and Permit-Related Documents - Texas Commission on Environmental Quality - www.tceq.texas.gov. **Please submit Form OP-CRO1 via STEERS or mail as soon as possible but no later than 04/08/2026.**

Please let me know if you have any questions.

Thank you for your cooperation.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Cassie Johnson <cjohnson4@olsson.com>
Sent: Friday, March 27, 2026 12:10 PM
To: John Walker
Cc: Jim Timmons; Will Calderon; Nick Steinke; Les Cole; Rhyan Stone; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA); Clark, Michael N CIV USARMY IMCOM EUROPE (USA)
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]
Attachments: 26-3-27_ENV_OP-PBRSUP Fort Hood O1659 Comments.docx; 26-3-27_ENV_OP-PBRSUP Fort Hood O1659 Clean.pdf; 26-3-27_ENV_OP-PBRSUP Fort Hood O1659 Clean.docx; 26-3-27_ENV_Fort Hood - OP-CRO1 - 10009.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Red Category

Hi John,

Please find the updated OP-PBRSUP form and OP-CRO1 form, as requested.

For your convenience, we have attached one version of OP-PBRSUP that contains redlines and comments in response to the requests received (labeled “Comments”). We have also included one PDF and one word of the form where all changes have been implemented fully (labeled “Clean”).

Please let me know if a hardcopy of OP-CRO1 needs to be mailed in or if anything else is needed.

Thank you,
Cassie

Form OP-PBRSUP - Instructions
Permits By Rule Supplemental Table
Texas Commission on Environmental Quality

Commented [CJ1]: Changes made:
All 601.511 mentions have date 9/5/2000 applied
Deleted IC003-1, 8, 11 From Table A (under Table B as claimed)
Deleted IC003-5, 6, 7, 9, 10 from Table A, B, & D (not on draft permit)
Dates updated on Table A, B, D to March 27, 2026
IC003-28, 29, 30, 31, 32, 33, and 34 put onto Table A & D as registered PBRs under **164083**
Changed IC001-DF90140, IC001-DF90148, IC001-DF90145 in Table D to match table A. Requesting this to be updated on Draft Permit.
Added IC006-1 to Table B and D as claimed PBR

General:

The form is used to provide supplemental information for all Permits by Rule (PBRs) that authorize emission units for a site (or area) subject to the requirements of the Federal Operating Permit (FOP) Program. For emission units identified on Form OP-SUM or Form OP-SUMR, the PBR registration number identified in Section A must also be included on Form OP-SUM or Form OP-SUMR.

The Texas Commission on Environmental Quality (TCEQ) regulated entity reference number (RNXXXXXXXXX), if assigned, and the application area name from Form OP-1 (Site Information Summary) must appear on the header of each page for purposes of identification for the initial submittal. The date of the initial submittal must also be included and should be consistent throughout the application (MM/DD/YYYY). The date on each table should be revised with any updated submittal provided during the review process. Leave the permit number blank only if the initial form submittal accompanies an initial application. If this form is included as part of the permit renewal or revision process, enter the FOP permit number assigned by the TCEQ, the area name from Form OP-1, the date of the renewal or revision submittal, and the regulated entity reference number. The form OP-PBRSUP should be submitted for any PBR authorization updates with each revision and renewal application.

The TCEQ requires that a Core Data Form be submitted on all incoming applications/registrations unless a regulated entity reference number and customer reference number have been issued by the TCEQ and no core data information has changed. If a regulated entity reference number or customer reference number has been issued, then the number must be noted on the request or applicable form. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ website at: www.tceq.texas.gov/permitting/central_registry/guidance.html

Specific:

Permits by Rule (30 TAC Chapter 106) for the Application Area

Emission units authorized under the following PBRs and any corresponding historical (pre-March 1997) SEs are required to be listed in sections A, B, and D:

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
~~8/27/2025~~03/27/2026	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
AB001	107747	106.452	2/26/2013
EC002	52124	106.495	11/02/2002
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
~~IC002_9~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_10~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_11~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_1~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_5~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC003_6~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_7~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_8~~	~~54052~~	~~106.511~~	~~03/07/2003~~
~~IC003_9~~	~~54052~~	~~106.511~~	~~03/07/2003~~
MO011	81233	106.262	11/01/2003

Commented [JW2]: Please update the date on Tables A, B, C, and D based on when you are resubmitting the table.

Commented [CJ3R2]: This has been completed.

Commented [CJ5R4]: This has been removed from all tables.

Commented [JW4]: Was previously requested to be removed from the draft permit has PBR registration 54052 which was voided.

Commented [CJ7R6]: All units under 54052 have been removed from Table A but are included in Table B and D as claimed units.

Commented [JW6]: Should be removed from Table A. Is currently documented on Tables B and D. Also has PBR Registration 54052 which was voided.

Commented [JW8]: Should be removed from Table A. Is currently documented on Tables B and D. Also has PBR Registration 54052 which was voided.

Commented [CJ9R8]: All units under 54052 have been removed from Table A but are included in Table B and D as claimed units.

Commented [CJ11R10]: This has been removed from all tables.

Commented [JW10]: Was previously requested to be removed from the draft permit has PBR registration 54052 which was voided.

Commented [JW12]: Was previously requested to be removed from the draft permit.

Commented [CJ13R12]: This has been removed from all tables.

Commented [JW14]: Was previously requested to be removed from the draft permit and has PBR registration 54052 which was voided.

Commented [CJ15R14]: This has been removed from all tables.

Commented [JW16]: Should be removed from Table A. Is currently documented on Tables B and D. Also has PBR Registration 54052 which was voided.

Commented [CJ17R16]: All units under 54052 have been removed from Table A but are included in Table B and D as ...

Commented [JW18]: Was previously requested to be removed from the draft permit and has PBR registration 54(...

Commented [CJ19R18]: This has been removed from all tables.

Unit ID No.	Registration No.	PBR No.	Registration Date
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC016	30861	113	10/04/1995
SC021	131851	106.433	05/19/2015
ST001A	24583	51	11/05/1986
ST001B	24583	51	11/05/1986
ST001C	24583	51	11/05/1986
ST002A	24583	51	11/05/1986
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
MO007	98846	106.261, 106.262	11/04/2011
MO007	147753	106.261, 106.262	08/11/2017
IC003-28	164083	106.511	09/04/2000
IC003-29	164083	106.511	09/04/2000
IC003-30	164083	106.511	09/04/2000
IC003-31	164083	106.511	09/04/2000
IC003-32	164083	106.511	09/04/2000

Unit ID No.	Registration No.	PBR No.	Registration Date
IC003-33	164083	106.511	09/04/2000
IC003-34	164083	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026~~08/27/2025~~	01659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO10A	80	12/1/1972
ARO10B	80	10/1/1972
ARO16A	70	11/25/1985
ARO16B	70	11/25/1985
ARO17A	70	11/5/1986
ARO17B	70	11/5/1986
ARO18A	70	11/25/1985
ARO18B	70	11/25/1985
ARO19A	70	6/7/1996
ARO19B	70	6/7/1996
ARO1A	124	5/4/1994
ARO01B	70	11/5/1986
ARO20A	70	6/7/1996
ARO20B	70	6/7/1996
ARO21A	70	7/20/1992
ARO21B	70	7/20/1992
ARO25A	80	12/1/1972
ARO25B	80	12/1/1972

ARO26A	80	12/1/1972
ARO26B	80	12/1/1972
ARO28	107	5/4/1994
ARO29	107	5/4/1994
ARO2A	124	5/4/1994
ARO2B	70	11/5/1986
ARO30	41	11/25/1985
ARO31	46	5/8/1972
ARO32	107	5/4/1994
ARO33	41	11/5/1986
ARO34	107	5/4/1994
ARO35	46	5/8/1972
ARO36	107	5/4/1994
ARO37	107	5/4/1994
ARO38	107	5/4/1994
ARO39	107	5/4/1994
ARO3A	124	5/4/1994
ARO3B	80	9/17/1973
ARO42	107	5/4/1994
ARO43A	70	11/5/1986
ARO43B	70	11/5/1986
ARO44A	70	11/5/1986
ARO44B	70	11/5/1986
ARO45A	124	5/4/1994
ARO45B	124	5/4/1994
ARO46A	124	5/4/1994
ARO46B	124	5/4/1994
ARO47A	70	11/5/1986

ARO47B	70	11/5/1986
ARO48A	70	11/5/1986
ARO48B	70	11/5/1986
ARO49A	124	5/4/1994
ARO49B	124	5/4/1994
ARO4A	124	5/4/1994
ARO4B	70	11/5/1986
ARO5A	124	5/4/1994
ARO5B	80	9/23/1982
ARO65	70	6/7/1996
ARO66	70	6/7/1996
ARO67	70	6/7/1996
ARO68	41	6/7/1996
ARO69	41	6/7/1996
ARO6A	80	1/8/1980
ARO6B	80	1/8/1980
ARO70	41	6/7/1996
ARO71	41	6/7/1996
ARO72	41	6/7/1996
ARO73	41	6/7/1996
ARO74	41	6/7/1996
ARO75	41	6/7/1996
ARO76	41	6/7/1996
ARO77	41	6/7/1996
ARO78	41	6/7/1996
ARO79	106.454	3/14/1997
ARO7A	80	12/1/1972
ARO7B	80	12/1/1972

ARO80	106.454	3/14/1997
ARO81	106.454	3/14/1997
ARO82	106.454	3/14/1997
ARO83	106.454	3/14/1997
ARO84	106.454	3/14/1997
ARO85	106.454	3/14/1997
ARO86	106.454	3/14/1997
ARO87	106.454	3/14/1997
ARO88	106.454	3/14/1997
ARO89	106.454	3/14/1997
ARO8A	70	11/5/1986
ARO8B	70	11/5/1986
ARO90	106.454	3/14/1997
ARO00	106.433	9/4/2000
BLR36071-1/EC001	106.183	9/4/2000
BLR36071-2/EC001	106.183	9/4/2000
BLR36071-3/EC001	106.183	9/4/2000
BLR36071-4/EC001	106.183	9/4/2000
BR001	106.261 & 106.262	8/4/2005
COMPREP	113	10/4/1995
CT001	106.371	~~3/7/2003~~ 09/04/2000

Commented [JW20]: Not a valid Version No./Effective Date.

Commented [CJ21R20]: Where applicable, PBR effective date 9/4/2000 has been updated.

CT002	106.371	9/4/2000
EC002	106.183	9/4/2000
FS011A	106.472	3/14/1997
FS011B	106.472	3/14/1997
FS011C	106.472	3/14/1997
FS011	106.412	3/14/1997
FS018A	51	11/5/1986
FS018	106.412	9/4/2000
FS019A	106.472	9/4/2000
FS019	106.412	9/4/2000
FS020	106.412	9/4/2000
FS021	106.412	9/4/2000
FS022	106.412	9/4/2000
HH001	106.265	9/4/2000
IC001-DF90048	106.511	9/4/2000
IC001-DF90040	106.511	9/4/2000
IC001-DF90045	106.511	9/4/2000
IC001-10	106.511	9/4/2000

Commented [JW22]: Should this be updated to IC-DF90048 to match what is on Table D and documented in the Draft Permit?

Commented [CJ23R22]: Requesting to have this remain IC001-DF90048, updated Table D to reflect request. Requesting to be updated on draft permit.

Commented [JW24]: Should this be updated to IC-DF90140 to match what is on Table D and documented in the Draft Permit?

Commented [CJ25R24]: Requesting to have this remain IC001-DF90040, updated Table D to reflect request. Requesting to be updated on draft permit.

Commented [JW26]: Should this be updated to IC-DF90145 to match what is on Table D and documented in the Draft Permit?

Commented [CJ27R26]: Requesting to have this remain IC001-DF90045, updated Table D to reflect request. Requesting to be updated on draft permit.

IC001-13	106.511	9/4/2000
IC001-14	106.511	9/4/2000
IC001-16	106.511	9/4/2000
IC001-17	106.511	9/4/2000
IC001-18	106.511	9/4/2000
IC001-21	106.511	9/4/2000
IC001-22	106.511	9/4/2000
IC001-25	106.511	9/4/2000
IC0~~C~~01-30	106.511	9/4/2000
IC001-32	106.511	09/04/2000~~3/7/2003~~
IC001-36	106.511	9/4/2000
IC001-43	106.511	9/4/2000
IC001-44	106.511	9/4/2000
IC001-46	106.511	9/4/2000
IC001-47	106.511	9/4/2000

Commented [JW28]: This should be corrected to IC001-30.

Commented [CJ29R28]: This has been corrected.

IC001-48	106.511	9/4/2000
IC001-49	106.511	9/4/2000
IC001-5	106.511	~~03/07/2003~~ 09/04/2000
IC001-51	106.511	09/04/2000~~3/7/2003~~
IC001-53	106.511	09/04/2000~~9/4/2000~~
IC001-54	106.511	09/04/2000~~9/4/2000~~
IC001-55	106.511	9/4/2000
IC001-56	106.511	09/04/2000~~3/7/2003~~
IC001-57	106.511	09/04/2000~~9/4/2000~~
IC001-58	106.511	09/04/2000~~9/4/2000~~
IC001-59	106.511	09/04/2000~~9/4/2000~~
IC001-60	106.511	09/04/2000~~9/4/2000~~
IC001-61	106.511	09/04/2000~~9/4/2000~~
IC001-62	106.511	09/04/2000~~9/4/2000~~
IC001-64	106.511	09/04/2000~~3/7/2003~~
IC001-65	106.511	09/04/2000~~3/7/2003~~
IC001-66	106.511	9/4/2000
IC001-67	106.511	9/4/2000

Commented [JW30]: There are many instance of 03/07/2003 being used as the Version No./Effective Date for PBR 106.511 throughout Table B and Table D. Please review the document in its entirety to correct this deficiency.

These all need to be corrected to 09/04/2000 since that is the valid version no./effective date in the Texas Administrative Code and what is documented in the Draft Permit.

Commented [CJ31R30]: Where applicable, PBR effective date 9/4/2000 has been updated.

IC001-68	106.511	09/04/20003/7/2003
IC001-69	106.511	9/4/2000
IC001-70	106.511	9/4/2000
IC001-71	106.511	9/4/2000
IC001-72	106.511	9/4/2000
IC001-74	106.511	9/4/2000
IC001-75	106.511	9/4/2000
IC001-76	106.511	9/4/2000
IC001-77	106.511	9/4/2000
IC001-78	106.511	9/4/2000
IC001-79	106.511	9/4/2000
IC001-8	106.511	09/04/20003/7/2003
IC001-81	106.511	9/4/2000

IC001-82	106.511	3/5/2021
IC001-83	106.511	9/4/2000
IC001-84	106.511	9/4/2000
IC001-85	106.511	9/4/2000
IC001-86	106.511	9/4/2000
IC001-87	106.511	9/4/2000
IC001-88	106.511	9/4/2000
IC001-9	106.511	9/4/2000
IC001-91	106.511	9/4/2000
IC001-92	106.511	9/4/2000
IC001-93	106.511	9/4/2000
IC001-94	106.511	9/4/2000
IC001-95	106.511	9/4/2000
IC002-1	106.511	09/04/2000~~3/7/2003~~
IC002-3	106.511	09/04/2000~~3/7/2003~~
IC002-4	106.511	09/04/2000~~3/7/2003~~
IC002-5	106.511	09/04/2000~~3/7/2003~~
IC002-6	106.511	09/04/2000~~3/7/2003~~
IC002-7	106.511	09/04/2000~~3/7/2003~~
IC002-8	106.511	09/04/2000~~3/7/2003~~
IC002-9	106.511	09/04/2000~~3/7/2003~~
IC002-10	106.511	09/04/2000~~9/4/2000~~
IC002-11	106.511	09/04/2000~~9/4/2000~~
IC002-12	106.511	09/04/2000~~9/4/2000~~
IC002-13	106.511	09/04/2000~~9/4/2000~~

IC002-15	106.511	09/04/2000~~3/7/2003~~
IC002-14	106.511	9/4/2000
IC002-16	106.511	9/4/2000
IC002-17	106.511	9/4/2000
IC002-18	106.511	9/4/2000
IC003-1	106.511	09/04/2000~~3/7/2003~~
~~IC003-5~~	~~106.511~~	~~9/4/2000~~
~~IC003-6~~	~~106.511~~	~~3/7/2003~~
~~IC003-7~~	~~106.511~~	~~3/7/2003~~
IC003-8	106.511	09/04/2000~~3/7/2003~~
~~IC003-9~~	~~106.511~~	~~3/7/2003~~
~~IC003-10~~	~~106.511~~	~~3/7/2003~~
IC003-11	106.511	09/04/2000~~3/7/2003~~
IC003-13	106.511	9/4/2000
IC003-14	106.511	9/4/2000
IC003-16	106.511	9/4/2000
IC003-17	106.511	9/4/2000
IC003-18	106.511	9/4/2000
IC003-19	106.511	9/4/2000
IC003-20	106.511	9/4/2000
IC003-21	106.511	9/4/2000
IC003-22	106.511	9/4/2000
IC003-23	106.511	9/4/2000
IC003-24	106.511	9/4/2000
IC003-25	106.511	9/4/2000
IC003-26	106.511	9/4/2000
IC003-27	106.511	9/4/2000

Commented [CJ32]: IC003-5, 6, 7, 9, 10 removed as previously requested to be removed from draft permit.

Formatted Table

IC003-4	106.511	9/4/2000
IC004-1	106.511	9/4/2000
IC004-2	106.511	9/4/2000
IC004-3	106.511	9/4/2000
IC004-5	106.511	9/4/2000
IC004-6	106.511	9/4/2000
IC004-7	106.511	9/4/2000
IC004-8	106.511	9/4/2000
IC006-1	106.512	06/13/2001
LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
LR002	106.472	3/14/1997

Commented [CJ33]: Requested to be added in email received from TCEQ on 03/14.

LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
MO001	110	9/12/1989
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
MO011	106.262	11/1/2003
SC015	106.231, 106.433	09/04/2000, 03/14/1997
SP001	106.418	11/26/1997
ST004A	51	9/23/1982
ST004B	51	9/23/1982
ST005A	51	10/4/1995
ST005B	106.412	9/4/2000
ST005C	106.412	9/4/2000
ST005E	106.472	3/14/1997
ST005F	106.412	9/4/2000
ST005G	106.412	9/4/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	9/4/2000
ST006B	106.412	9/4/2000
ST006C	106.412	9/4/2000

ST006D	106.412	9/4/2000
ST006E	106.412	9/4/2000
ST007A	106.412	9/4/2000
ST007B	106.473	3/14/1997
ST007C	106.412	9/4/2000
ST007D	106.412	9/4/2000
ST007E	106.412	9/4/2000
ST007F	106.412	9/4/2000
ST007G	106.412	9/4/2000
ST008A	106.472	9/4/2000
ST008B	106.472	9/4/2000
ST008C	106.472	9/4/2000
ST008D	106.472	9/4/2000
ST008E	106.472	9/4/2000
ST008F	106.472	9/4/2000
ST008G	106.412	9/4/2000
ST008H	106.472	9/4/2000
ST008I	106.472	9/4/2000
ST008J	106.472	9/4/2000
ST008K	106.472	9/4/2000
ST008L	106.472	9/4/2000
ST008M	106.472	9/4/2000
ST008N	106.472	9/4/2000
ST008O	106.472	9/4/2000
ST008P	106.472	9/4/2000

ST008Q	106.472	9/4/2000
ST008S	106.472	9/4/2000
ST008T	106.472	9/4/2000
ST008U	106.472	9/4/2000
ST008V	106.472	9/4/2000
ST008W	106.472	9/4/2000
ST009A	106.472	9/4/2000
ST009B	106.472	9/4/2000
ST009C	106.472	9/4/2000
ST009D	106.472	9/4/2000
ST009E	106.472	9/4/2000
ST009F	106.472	9/4/2000
ST010A	106.472	9/4/2000
ST010B	106.472	9/4/2000
ST010C	106.472	9/4/2000
ST012	106.412	9/4/2000
SU002	106.454	3/14/1997
ST014	106.472	9/4/2000
ST016	106.473	9/4/2000
SC011	106.433	3/14/1997
SC021	106.433	5/19/2015
ST003A	106.412	3/14/1997
SU001	106.454	4/1/2002
SU003	106.261	9/11/2002
WL001	106.227	9/4/2000

WW001	106.231 & 106.265	9/4/2000
WW002	106.231 & 106.265	9/4/2000
WW003	106.231 & 106.265	9/4/2000
WW004	106.231 & 106.265	9/4/2000
WW007	106.231 & 106.265	9/4/2000
WW008	106.231 & 106.265	9/4/2000
WW009	106.231 & 106.265	9/4/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed Permit by Rules of Insignificant Sources
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
~~1/10/2025~~3/27/2026	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

Commented [JW34]: Update

Commented [CJ35R34]: This has been completed.

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
~~08/27/2025~~03/27/2026	O1659	RN101612083

Commented [JW36]: Update.

Commented [CJ37R36]: This has been completed.

Unit ID No.	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AB001	106.452	107747	In accordance with Section 106.8, maintain records of the 12 month rolling totals of facility wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1).
COMPREP	113	11/01/2001	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.
CT001	106.371	~~03/07/2003~~ 09/04/2000	The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

Commented [JW38]: Instance of 03/07/2003 being used when it should be 09/04/2000.

Commented [CJ39R38]: Where applicable, PBR effective date 9/4/2000 has been updated.

EC002	106.495	52124	Maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-14	106.511	09/04/2000~~03/07/2000 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-16	106.511	09/04/2000~~03/07/2000 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-17	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-32	106.511	09/04/2000~~03/07/2000 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

Commented [JW40]: More examples of 03/07/2000 that should be 09/04/2000.

Commented [CJ41R40]: Where applicable, PBR effective date 9/4/2000 has been updated.

IC001-42	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-5	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-51	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-56	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-64	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-65	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-68	106.511	09/04/2000~~03/07/2000 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 20215 Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-8	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-85	106.511	09/04/2000~~09/04/2000 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-86	106.511	09/04/2000~~09/04/2000 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-91	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-92	106.511	09/04/2000 ~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-93	106.511	09/04/20000 ~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-94	106.511	09/04/2000 ~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-95	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-1	106.511	09/04/2000~~0 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-15	106.511	09/04/2000~~0 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-3	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-4	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-5	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-6	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-7	106.511	09/04/2000 ~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-8	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-9	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

~~IC003-10~~	~~106.511~~	~~03/07/2003 / TBD~~	~~In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed.~~ ~~The calculation formula for unit emissions is:~~ ~~Horsepower Hours * Emission Factor / 1000~~ ~~Where~~ ~~Horsepower hours for each engine are given in manufacturers specifications;~~ ~~Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE~~ ~~STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.~~
IC003-11	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

Commented [CJ42]: IC003-5, 6, 7, 9, 10 removed as previously requested to be removed from draft permit.

IC003-1	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units
~~IC003-5~~	~~106.511~~	~~9/4/2000 / TBD~~	~~In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed.~~ ~~The calculation formula for unit emissions is:~~ ~~Horsepower Hours * Emission Factor / 1000~~ ~~Where~~ ~~Horsepower hours for each engine are given in manufacturers specifications;~~ ~~Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE~~ ~~STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.~~

~~IC003-6~~	~~106.511~~	~~3/7/2003~~	~~In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed.~~ ~~The calculation formula for unit emissions is:~~ ~~Horsepower Hours * Emission Factor / 1000~~ ~~Where~~ ~~Horsepower hours for each engine are given in manufacturers specifications;~~ ~~Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE~~ ~~STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.~~
~~IC003-7~~	~~106.511~~	~~03/07/2003~~	~~In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed.~~ ~~The calculation formula for unit emissions is:~~ ~~Horsepower Hours * Emission Factor / 1000~~ ~~Where~~ ~~Horsepower hours for each engine are given in manufacturers specifications;~~ ~~Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE~~ ~~STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.~~

IC003-8	106.511	09/04/2000~~03/07/2003 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
~~IC003-9~~	~~106.511~~	~~3/7/2003~~	~~In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed.~~ ~~The calculation formula for unit emissions is:~~ ~~Horsepower Hours * Emission Factor / 1000~~ ~~Where~~ ~~Horsepower hours for each engine are given in manufacturers specifications;~~ ~~Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE~~ ~~STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.~~

IC003-28	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-29	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-30	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-31	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-32	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-33	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-34	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC006-1	106.512	06/13/2001	In accordance with section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1). The emissions certifications (ADP-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculations formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horepower hours for each engine are given in manufacturer specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES, June 2025; Tables 3-4, 3-7 for stationary non-emergency, non-fire pump internal combustion engines.

Commented [CJ43]: Added by request of email into table A & D

Commented [CJ44]: Requested in email (03/14/2026) by TCEQ to be added to Tables B & D

MO011	106.262	81233	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS.
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
SC016	113	30861	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.

SC021	106.433	13851	Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
ST001A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001B	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001C	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST002A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

ST003A	106.412	24583	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
MO007	106.261, 106.262	98846	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
MO007	106.261, 106.262	147753	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
ARO28	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO29	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO30	41	11/25/1985	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO31	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO32	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO33	41	11/05/1986	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO34	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO35	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO36	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO37	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO38	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO39	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO42	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO65	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO66	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO67	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO68	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO69	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO70	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO71	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO72	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO73	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO74	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO75	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO76	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO77	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO78	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO82	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO84	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO86	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO90	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
EC002	106.183	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

FS011A	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
FS018A	51	11/05/1986	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-18	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-21	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-22	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-25	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-30	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-36	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-43	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-44	106.511	09/04/2000 / TBD	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-46	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-47	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-48	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-49	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-53	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-54	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-55	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-57	106.511	09/04/2000	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-58	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-59	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-60	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-61	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-62	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-66	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-67	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-69	106.511	09/04/2000~~/ TBD~~	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-70	106.511	09/04/20000~~0 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-71	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-72	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-74	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-75	106.511	09/04/2000~~0 / TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-76	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-77	106.511	09/04/2000~~/ TBD~~	accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-78	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-79	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-81	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-83	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-84	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-87	106.511	09/04/2000~~/ TBD~~	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-88	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-9	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-10	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-11	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-12	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp

IC002-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC003-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC003-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-19	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-20	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-21	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC001-DF90140	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC001-DF90048	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC001-DF90145	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: ~~NOx, CO, VOC, SO2, PM, PM10, PM2.5,~~ and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

Commented [CJ45]: Requesting to have
IC001-DF90140
IC001-DF90048
IC001-DF90145
Changed in draft permit to match Table A

IC003-23	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC003-24	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-25	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-26	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-27	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC004-1	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
MO001	110	09/12/1989	Maintain a copy of Standard Exemption 110 to ensure that equipment is installed and operated in accordance with all applicable requirements.

CLSC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST004A	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST004B	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005A	51	10/04/1995	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW008	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000E	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

BR001	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.

Form OP-PBRSUP - Instructions
Permits By Rule Supplemental Table
Texas Commission on Environmental Quality

Commented [CJ1]: Changes made:
All 601.511 mentions have date 9/5/2000 applied
Deleted IC003-1, 8, 11 From Table A (under Table B as claimed)
Deleted IC003-5, 6, 7, 9, 10 from Table A, B, & D (not on draft permit)
Dates updated on Table A, B, D to March 27, 2026
IC003-28, 29, 30, 31, 32, 33, and 34 put onto Table A & D as registered PBRs under **164083**
Changed IC001-DF90140, IC001-DF90148, IC001-DF90145 in Table D to match table A. Requesting this to be updated on Draft Permit.
Added IC006-1 to Table B and D as claimed PBR

General:

The form is used to provide supplemental information for all Permits by Rule (PBRs) that authorize emission units for a site (or area) subject to the requirements of the Federal Operating Permit (FOP) Program. For emission units identified on Form OP-SUM or Form OP-SUMR, the PBR registration number identified in Section A must also be included on Form OP-SUM or Form OP-SUMR.

The Texas Commission on Environmental Quality (TCEQ) regulated entity reference number (RNXXXXXXXXX), if assigned, and the application area name from Form OP-1 (Site Information Summary) must appear on the header of each page for purposes of identification for the initial submittal. The date of the initial submittal must also be included and should be consistent throughout the application (MM/DD/YYYY). The date on each table should be revised with any updated submittal provided during the review process. Leave the permit number blank only if the initial form submittal accompanies an initial application. If this form is included as part of the permit renewal or revision process, enter the FOP permit number assigned by the TCEQ, the area name from Form OP-1, the date of the renewal or revision submittal, and the regulated entity reference number. The form OP-PBRSUP should be submitted for any PBR authorization updates with each revision and renewal application.

The TCEQ requires that a Core Data Form be submitted on all incoming applications/registrations unless a regulated entity reference number and customer reference number have been issued by the TCEQ and no core data information has changed. If a regulated entity reference number or customer reference number has been issued, then the number must be noted on the request or applicable form. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ website at: www.tceq.texas.gov/permitting/central_registry/guidance.html

Specific:

Permits by Rule (30 TAC Chapter 106) for the Application Area

Emission units authorized under the following PBRs and any corresponding historical (pre-March 1997) SEs are required to be listed in sections A, B, and D:

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026	O1659	RN101612083

Commented [CJ3R2]: This has been completed.

Unit ID No.	Registration No.	PBR No.	Registration Date
AB001	107747	106.452	2/26/2013
EC002	52124	106.495	11/02/2002
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC016	30861	113	10/04/1995
SC021	131851	106.433	05/19/2015
ST001A	24583	51	11/05/1986
ST001B	24583	51	11/05/1986
ST001C	24583	51	11/05/1986
ST002A	24583	51	11/05/1986

Unit ID No.	Registration No.	PBR No.	Registration Date
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
MO007	98846	106.261, 106.262	11/04/2011
MO007	147753	106.261, 106.262	08/11/2017
IC003-28	164083	106.511	09/04/2000
IC003-29	164083	106.511	09/04/2000
IC003-30	164083	106.511	09/04/2000
IC003-31	164083	106.511	09/04/2000
IC003-32	164083	106.511	09/04/2000
IC003-33	164083	106.511	09/04/2000
IC003-34	164083	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026	01659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO10A	80	12/1/1972
ARO10B	80	10/1/1972
ARO16A	70	11/25/1985
ARO16B	70	11/25/1985
ARO17A	70	11/5/1986
ARO17B	70	11/5/1986
ARO18A	70	11/25/1985
ARO18B	70	11/25/1985
ARO19A	70	6/7/1996
ARO19B	70	6/7/1996
ARO1A	124	5/4/1994
ARO01B	70	11/5/1986
ARO20A	70	6/7/1996
ARO20B	70	6/7/1996
ARO21A	70	7/20/1992
ARO21B	70	7/20/1992
ARO25A	80	12/1/1972
ARO25B	80	12/1/1972

ARO26A	80	12/1/1972
ARO26B	80	12/1/1972
ARO28	107	5/4/1994
ARO29	107	5/4/1994
ARO2A	124	5/4/1994
ARO2B	70	11/5/1986
ARO30	41	11/25/1985
ARO31	46	5/8/1972
ARO32	107	5/4/1994
ARO33	41	11/5/1986
ARO34	107	5/4/1994
ARO35	46	5/8/1972
ARO36	107	5/4/1994
ARO37	107	5/4/1994
ARO38	107	5/4/1994
ARO39	107	5/4/1994
ARO3A	124	5/4/1994
ARO3B	80	9/17/1973
ARO42	107	5/4/1994
ARO43A	70	11/5/1986
ARO43B	70	11/5/1986
ARO44A	70	11/5/1986
ARO44B	70	11/5/1986
ARO45A	124	5/4/1994
ARO45B	124	5/4/1994
ARO46A	124	5/4/1994
ARO46B	124	5/4/1994
ARO47A	70	11/5/1986

ARO47B	70	11/5/1986
ARO48A	70	11/5/1986
ARO48B	70	11/5/1986
ARO49A	124	5/4/1994
ARO49B	124	5/4/1994
ARO4A	124	5/4/1994
ARO4B	70	11/5/1986
ARO5A	124	5/4/1994
ARO5B	80	9/23/1982
ARO65	70	6/7/1996
ARO66	70	6/7/1996
ARO67	70	6/7/1996
ARO68	41	6/7/1996
ARO69	41	6/7/1996
ARO6A	80	1/8/1980
ARO6B	80	1/8/1980
ARO70	41	6/7/1996
ARO71	41	6/7/1996
ARO72	41	6/7/1996
ARO73	41	6/7/1996
ARO74	41	6/7/1996
ARO75	41	6/7/1996
ARO76	41	6/7/1996
ARO77	41	6/7/1996
ARO78	41	6/7/1996
ARO79	106.454	3/14/1997
ARO7A	80	12/1/1972
ARO7B	80	12/1/1972

ARO80	106.454	3/14/1997
ARO81	106.454	3/14/1997
ARO82	106.454	3/14/1997
ARO83	106.454	3/14/1997
ARO84	106.454	3/14/1997
ARO85	106.454	3/14/1997
ARO86	106.454	3/14/1997
ARO87	106.454	3/14/1997
ARO88	106.454	3/14/1997
ARO89	106.454	3/14/1997
ARO8A	70	11/5/1986
ARO8B	70	11/5/1986
ARO90	106.454	3/14/1997
ARO00	106.433	9/4/2000
BLR36071-1/EC001	106.183	9/4/2000
BLR36071-2/EC001	106.183	9/4/2000
BLR36071-3/EC001	106.183	9/4/2000
BLR36071-4/EC001	106.183	9/4/2000
BR001	106.261 & 106.262	8/4/2005
COMPREP	113	10/4/1995
CT001	106.371	09/04/2000

Commented [JW4]: Not a valid Version No./Effective Date.

Commented [CJ5R4]: Where applicable, PBR effective date 9/4/2000 has been updated.

CT002	106.371	9/4/2000
EC002	106.183	9/4/2000
FS011A	106.472	3/14/1997
FS011B	106.472	3/14/1997
FS011C	106.472	3/14/1997
FS011	106.412	3/14/1997
FS018A	51	11/5/1986
FS018	106.412	9/4/2000
FS019A	106.472	9/4/2000
FS019	106.412	9/4/2000
FS020	106.412	9/4/2000
FS021	106.412	9/4/2000
FS022	106.412	9/4/2000
HH001	106.265	9/4/2000
IC001-DF90048	106.511	9/4/2000
IC001-DF90040	106.511	9/4/2000
IC001-DF90045	106.511	9/4/2000
IC001-10	106.511	9/4/2000

Commented [JW6]: Should this be updated to IC-DF90048 to match what is on Table D and documented in the Draft Permit?

Commented [CJ7R6]: Requesting to have this remain IC001-DF90048, updated Table D to reflect request. Requesting to be updated on draft permit.

Commented [JW8]: Should this be updated to IC-DF90140 to match what is on Table D and documented in the Draft Permit?

Commented [CJ9R8]: Requesting to have this remain IC001-DF90040, updated Table D to reflect request. Requesting to be updated on draft permit.

Commented [JW10]: Should this be updated to IC-DF90145 to match what is on Table D and documented in the Draft Permit?

Commented [CJ11R10]: Requesting to have this remain IC001-DF90045, updated Table D to reflect request. Requesting to be updated on draft permit.

IC001-13	106.511	9/4/2000
IC001-14	106.511	9/4/2000
IC001-16	106.511	9/4/2000
IC001-17	106.511	9/4/2000
IC001-18	106.511	9/4/2000
IC001-21	106.511	9/4/2000
IC001-22	106.511	9/4/2000
IC001-25	106.511	9/4/2000
IC001-30	106.511	9/4/2000
IC001-32	106.511	09/04/2000
IC001-36	106.511	9/4/2000
IC001-43	106.511	9/4/2000
IC001-44	106.511	9/4/2000
IC001-46	106.511	9/4/2000
IC001-47	106.511	9/4/2000

Commented [JW12]: This should be corrected to IC001-30.

Commented [CJ13R12]: This has been corrected.

IC001-48	106.511	9/4/2000
IC001-49	106.511	9/4/2000
IC001-5	106.511	09/04/2000
IC001-51	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-54	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-56	106.511	09/04/2000
IC001-57	106.511	09/04/2000
IC001-58	106.511	09/04/2000
IC001-59	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-64	106.511	09/04/2000
IC001-65	106.511	09/04/2000
IC001-66	106.511	9/4/2000
IC001-67	106.511	9/4/2000

Commented [JW14]: There are many instance of 03/07/2003 being used as the Version No./Effective Date for PBR 106.511 throughout Table B and Table D. Please review the document in its entirety to correct this deficiency.

These all need to be corrected to 09/04/2000 since that is the valid version no./effective date in the Texas Administrative Code and what is documented in the Draft Permit.

Commented [CJ15R14]: Where applicable, PBR effective date 9/4/2000 has been updated.

IC001-68	106.511	09/04/2000
IC001-69	106.511	9/4/2000
IC001-70	106.511	9/4/2000
IC001-71	106.511	9/4/2000
IC001-72	106.511	9/4/2000
IC001-74	106.511	9/4/2000
IC001-75	106.511	9/4/2000
IC001-76	106.511	9/4/2000
IC001-77	106.511	9/4/2000
IC001-78	106.511	9/4/2000
IC001-79	106.511	9/4/2000
IC001-8	106.511	09/04/2000
IC001-81	106.511	9/4/2000

IC001-82	106.511	3/5/2021
IC001-83	106.511	9/4/2000
IC001-84	106.511	9/4/2000
IC001-85	106.511	9/4/2000
IC001-86	106.511	9/4/2000
IC001-87	106.511	9/4/2000
IC001-88	106.511	9/4/2000
IC001-9	106.511	9/4/2000
IC001-91	106.511	9/4/2000
IC001-92	106.511	9/4/2000
IC001-93	106.511	9/4/2000
IC001-94	106.511	9/4/2000
IC001-95	106.511	9/4/2000
IC002-1	106.511	09/04/2000
IC002-3	106.511	09/04/2000
IC002-4	106.511	09/04/2000
IC002-5	106.511	09/04/2000
IC002-6	106.511	09/04/2000
IC002-7	106.511	09/04/2000
IC002-8	106.511	09/04/2000
IC002-9	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000
IC002-13	106.511	09/04/2000

IC002-15	106.511	09/04/2000
IC002-14	106.511	9/4/2000
IC002-16	106.511	9/4/2000
IC002-17	106.511	9/4/2000
IC002-18	106.511	9/4/2000
IC003-1	106.511	09/04/2000
IC003-8	106.511	09/04/2000
IC003-11	106.511	09/04/2000
IC003-13	106.511	9/4/2000
IC003-14	106.511	9/4/2000
IC003-16	106.511	9/4/2000
IC003-17	106.511	9/4/2000
IC003-18	106.511	9/4/2000
IC003-19	106.511	9/4/2000
IC003-20	106.511	9/4/2000
IC003-21	106.511	9/4/2000
IC003-22	106.511	9/4/2000
IC003-23	106.511	9/4/2000
IC003-24	106.511	9/4/2000
IC003-25	106.511	9/4/2000
IC003-26	106.511	9/4/2000
IC003-27	106.511	9/4/2000
IC003-4	106.511	9/4/2000
IC004-1	106.511	9/4/2000
IC004-2	106.511	9/4/2000
IC004-3	106.511	9/4/2000

IC004-5	106.511	9/4/2000
IC004-6	106.511	9/4/2000
IC004-7	106.511	9/4/2000
IC004-8	106.511	9/4/2000
IC006-1	106.512	06/13/2001
LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
LR002	106.472	3/14/1997
LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
MO001	110	9/12/1989
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
MO011	106.262	11/1/2003

Commented [CJ16]: Requested to be added in email received from TCEQ on 03/14.

SC015	106.231, 106.433	09/04/2000, 03/14/1997
SP001	106.418	11/26/1997
ST004A	51	9/23/1982
ST004B	51	9/23/1982
ST005A	51	10/4/1995
ST005B	106.412	9/4/2000
ST005C	106.412	9/4/2000
ST005E	106.472	3/14/1997
ST005F	106.412	9/4/2000
ST005G	106.412	9/4/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	9/4/2000
ST006B	106.412	9/4/2000
ST006C	106.412	9/4/2000
ST006D	106.412	9/4/2000
ST006E	106.412	9/4/2000
ST007A	106.412	9/4/2000
ST007B	106.473	3/14/1997
ST007C	106.412	9/4/2000
ST007D	106.412	9/4/2000
ST007E	106.412	9/4/2000

ST007F	106.412	9/4/2000
ST007G	106.412	9/4/2000
ST008A	106.472	9/4/2000
ST008B	106.472	9/4/2000
ST008C	106.472	9/4/2000
ST008D	106.472	9/4/2000
ST008E	106.472	9/4/2000
ST008F	106.472	9/4/2000
ST008G	106.412	9/4/2000
ST008H	106.472	9/4/2000
ST008I	106.472	9/4/2000
ST008J	106.472	9/4/2000
ST008K	106.472	9/4/2000
ST008L	106.472	9/4/2000
ST008M	106.472	9/4/2000
ST008N	106.472	9/4/2000
ST008O	106.472	9/4/2000
ST008P	106.472	9/4/2000
ST008Q	106.472	9/4/2000
ST008S	106.472	9/4/2000
ST008T	106.472	9/4/2000
ST008U	106.472	9/4/2000
ST008V	106.472	9/4/2000
ST008W	106.472	9/4/2000
ST009A	106.472	9/4/2000

ST009B	106.472	9/4/2000
ST009C	106.472	9/4/2000
ST009D	106.472	9/4/2000
ST009E	106.472	9/4/2000
ST009F	106.472	9/4/2000
ST010A	106.472	9/4/2000
ST010B	106.472	9/4/2000
ST010C	106.472	9/4/2000
ST012	106.412	9/4/2000
SU002	106.454	3/14/1997
ST014	106.472	9/4/2000
ST016	106.473	9/4/2000
SC011	106.433	3/14/1997
SC021	106.433	5/19/2015
ST003A	106.412	3/14/1997
SU001	106.454	4/1/2002
SU003	106.261	9/11/2002
WL001	106.227	9/4/2000
WW001	106.231 & 106.265	9/4/2000
WW002	106.231 & 106.265	9/4/2000
WW003	106.231 & 106.265	9/4/2000
WW004	106.231 & 106.265	9/4/2000

WW007	106.231 & 106.265	9/4/2000
WW008	106.231 & 106.265	9/4/2000
WW009	106.231 & 106.265	9/4/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed Permit by Rules of Insignificant Sources
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
3/27/2026	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026	O1659	RN101612083

Commented [CJ18R17]: This has been completed.

Unit ID No.	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AB001	106.452	107747	In accordance with Section 106.8, maintain records of the 12 month rolling totals of facility wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1).
COMPREP	113	11/01/2001	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.
CT001	106.371	09/04/2000	The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

EC002	106.495	52124	Maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-32	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-42	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-5	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-51	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-56	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-64	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-65	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-68	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 20215 Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-8	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-85	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-86	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-91	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-92	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-93	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-94	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-95	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-1	106.511	09/04/200	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-15	106.511	09/04/200	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-3	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-4	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-5	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-6	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-7	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-8	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-9	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC003-11	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-1	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units

IC003-8	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-28	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-29	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-30	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-31	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-32	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-33	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-34	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

Commented [CJ19]: Added by request of email into table A & D

IC006-1	106.512	06/13/2001	In accordance with section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM. PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1). The emissions certifications (ADP-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculations formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horepower hours for each engine are given in manufacturer specifications: Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES, June 2025; Tables 3-4, 3-7 for stationary non-emergency, non-fire pump internal combustion engines.

MO011	106.262	81233	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

Commented [CJ20]: Requested in email (03/14/2026) by TCEQ to be added to Tables B & D

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS.
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
SC016	113	30861	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.

SC021	106.433	13851	Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
ST001A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001B	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001C	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST002A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

ST003A	106.412	24583	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
MO007	106.261, 106.262	98846	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
MO007	106.261, 106.262	147753	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
ARO28	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO29	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO30	41	11/25/1985	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO31	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO32	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO33	41	11/05/1986	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO34	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO35	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO36	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO37	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO38	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO39	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO42	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO65	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO66	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO67	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO68	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO69	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO70	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO71	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO72	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO73	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO74	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO75	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO76	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO77	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO78	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO82	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO84	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO86	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO90	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
EC002	106.183	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

FS011A	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
FS018A	51	11/05/1986	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-18	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-21	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-22	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-25	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-30	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-36	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-43	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-44	106.511	09/04/2000 / TBD	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-46	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-47	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-48	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-49	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-53	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-54	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-55	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-57	106.511	09/04/2000	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-58	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-59	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-60	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-61	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-62	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-66	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-67	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-69	106.511	09/04/2000	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-70	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-71	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-72	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-74	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-75	106.511	09/04/200	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-76	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-77	106.511	09/04/2000	accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-78	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-79	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-81	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-83	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-84	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-87	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-88	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-9	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-10	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-11	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-12	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp

IC002-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC003-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC003-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-19	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-20	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-21	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC001-DF90140	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC001-DF90048	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC001-DF90145	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

Commented [CJ21]: Requesting to have
IC001-DF90140
IC001-DF90048
IC001-DF90145
Changed in draft permit to match Table A

IC003-23	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC003-24	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-25	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-26	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-27	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC004-1	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
MO001	110	09/12/1989	Maintain a copy of Standard Exemption 110 to ensure that equipment is installed and operated in accordance with all applicable requirements.

CLSC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST004A	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST004B	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005A	51	10/04/1995	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	**106.472**	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW008	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000E	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

BR001	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.

Form OP-PBRSUP - Instructions
Permits By Rule Supplemental Table
Texas Commission on Environmental Quality

Commented [CJ1]: Changes made:
All 601.511 mentions have date 9/5/2000 applied
Deleted IC003-1, 8, 11 From Table A (under Table B as claimed)
Deleted IC003-5, 6, 7, 9, 10 from Table A, B, & D (not on draft permit)
Dates updated on Table A, B, D to March 27, 2026
IC003-28, 29, 30, 31, 32, 33, and 34 put onto Table A & D as registered PBRs under **164083**
Changed IC001-DF90140, IC001-DF90148, IC001-DF90145 in Table D to match table A. Requesting this to be updated on Draft Permit.
Added IC006-1 to Table B and D as claimed PBR

General:

The form is used to provide supplemental information for all Permits by Rule (PBRs) that authorize emission units for a site (or area) subject to the requirements of the Federal Operating Permit (FOP) Program. For emission units identified on Form OP-SUM or Form OP-SUMR, the PBR registration number identified in Section A must also be included on Form OP-SUM or Form OP-SUMR.

The Texas Commission on Environmental Quality (TCEQ) regulated entity reference number (RNXXXXXXXXX), if assigned, and the application area name from Form OP-1 (Site Information Summary) must appear on the header of each page for purposes of identification for the initial submittal. The date of the initial submittal must also be included and should be consistent throughout the application (MM/DD/YYYY). The date on each table should be revised with any updated submittal provided during the review process. Leave the permit number blank only if the initial form submittal accompanies an initial application. If this form is included as part of the permit renewal or revision process, enter the FOP permit number assigned by the TCEQ, the area name from Form OP-1, the date of the renewal or revision submittal, and the regulated entity reference number. The form OP-PBRSUP should be submitted for any PBR authorization updates with each revision and renewal application.

The TCEQ requires that a Core Data Form be submitted on all incoming applications/registrations unless a regulated entity reference number and customer reference number have been issued by the TCEQ and no core data information has changed. If a regulated entity reference number or customer reference number has been issued, then the number must be noted on the request or applicable form. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ website at: www.tceq.texas.gov/permitting/central_registry/guidance.html

Specific:

Permits by Rule (30 TAC Chapter 106) for the Application Area

Emission units authorized under the following PBRs and any corresponding historical (pre-March 1997) SEs are required to be listed in sections A, B, and D:

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026	O1659	RN101612083

Commented [CJ3R2]: This has been completed.

Unit ID No.	Registration No.	PBR No.	Registration Date
AB001	107747	106.452	2/26/2013
EC002	52124	106.495	11/02/2002
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC016	30861	113	10/04/1995
SC021	131851	106.433	05/19/2015
ST001A	24583	51	11/05/1986
ST001B	24583	51	11/05/1986
ST001C	24583	51	11/05/1986
ST002A	24583	51	11/05/1986

Unit ID No.	Registration No.	PBR No.	Registration Date
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
MO007	98846	106.261, 106.262	11/04/2011
MO007	147753	106.261, 106.262	08/11/2017
IC003-28	164083	106.511	09/04/2000
IC003-29	164083	106.511	09/04/2000
IC003-30	164083	106.511	09/04/2000
IC003-31	164083	106.511	09/04/2000
IC003-32	164083	106.511	09/04/2000
IC003-33	164083	106.511	09/04/2000
IC003-34	164083	106.511	09/04/2000

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026	01659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO10A	80	12/1/1972
ARO10B	80	10/1/1972
ARO16A	70	11/25/1985
ARO16B	70	11/25/1985
ARO17A	70	11/5/1986
ARO17B	70	11/5/1986
ARO18A	70	11/25/1985
ARO18B	70	11/25/1985
ARO19A	70	6/7/1996
ARO19B	70	6/7/1996
ARO1A	124	5/4/1994
ARO01B	70	11/5/1986
ARO20A	70	6/7/1996
ARO20B	70	6/7/1996
ARO21A	70	7/20/1992
ARO21B	70	7/20/1992
ARO25A	80	12/1/1972
ARO25B	80	12/1/1972

ARO26A	80	12/1/1972
ARO26B	80	12/1/1972
ARO28	107	5/4/1994
ARO29	107	5/4/1994
ARO2A	124	5/4/1994
ARO2B	70	11/5/1986
ARO30	41	11/25/1985
ARO31	46	5/8/1972
ARO32	107	5/4/1994
ARO33	41	11/5/1986
ARO34	107	5/4/1994
ARO35	46	5/8/1972
ARO36	107	5/4/1994
ARO37	107	5/4/1994
ARO38	107	5/4/1994
ARO39	107	5/4/1994
ARO3A	124	5/4/1994
ARO3B	80	9/17/1973
ARO42	107	5/4/1994
ARO43A	70	11/5/1986
ARO43B	70	11/5/1986
ARO44A	70	11/5/1986
ARO44B	70	11/5/1986
ARO45A	124	5/4/1994
ARO45B	124	5/4/1994
ARO46A	124	5/4/1994
ARO46B	124	5/4/1994
ARO47A	70	11/5/1986

ARO47B	70	11/5/1986
ARO48A	70	11/5/1986
ARO48B	70	11/5/1986
ARO49A	124	5/4/1994
ARO49B	124	5/4/1994
ARO4A	124	5/4/1994
ARO4B	70	11/5/1986
ARO5A	124	5/4/1994
ARO5B	80	9/23/1982
ARO65	70	6/7/1996
ARO66	70	6/7/1996
ARO67	70	6/7/1996
ARO68	41	6/7/1996
ARO69	41	6/7/1996
ARO6A	80	1/8/1980
ARO6B	80	1/8/1980
ARO70	41	6/7/1996
ARO71	41	6/7/1996
ARO72	41	6/7/1996
ARO73	41	6/7/1996
ARO74	41	6/7/1996
ARO75	41	6/7/1996
ARO76	41	6/7/1996
ARO77	41	6/7/1996
ARO78	41	6/7/1996
ARO79	106.454	3/14/1997
ARO7A	80	12/1/1972
ARO7B	80	12/1/1972

ARO80	106.454	3/14/1997
ARO81	106.454	3/14/1997
ARO82	106.454	3/14/1997
ARO83	106.454	3/14/1997
ARO84	106.454	3/14/1997
ARO85	106.454	3/14/1997
ARO86	106.454	3/14/1997
ARO87	106.454	3/14/1997
ARO88	106.454	3/14/1997
ARO89	106.454	3/14/1997
ARO8A	70	11/5/1986
ARO8B	70	11/5/1986
ARO90	106.454	3/14/1997
ARO00	106.433	9/4/2000
BLR36071-1/EC001	106.183	9/4/2000
BLR36071-2/EC001	106.183	9/4/2000
BLR36071-3/EC001	106.183	9/4/2000
BLR36071-4/EC001	106.183	9/4/2000
BR001	106.261 & 106.262	8/4/2005
COMPREP	113	10/4/1995
CT001	106.371	09/04/2000

Commented [JW4]: Not a valid Version No./Effective Date.

Commented [CJ5R4]: Where applicable, PBR effective date 9/4/2000 has been updated.

CT002	106.371	9/4/2000
EC002	106.183	9/4/2000
FS011A	106.472	3/14/1997
FS011B	106.472	3/14/1997
FS011C	106.472	3/14/1997
FS011	106.412	3/14/1997
FS018A	51	11/5/1986
FS018	106.412	9/4/2000
FS019A	106.472	9/4/2000
FS019	106.412	9/4/2000
FS020	106.412	9/4/2000
FS021	106.412	9/4/2000
FS022	106.412	9/4/2000
HH001	106.265	9/4/2000
IC001-DF90048	106.511	9/4/2000
IC001-DF90040	106.511	9/4/2000
IC001-DF90045	106.511	9/4/2000
IC001-10	106.511	9/4/2000

Commented [JW6]: Should this be updated to IC-DF90048 to match what is on Table D and documented in the Draft Permit?

Commented [CJ7R6]: Requesting to have this remain IC001-DF90048, updated Table D to reflect request. Requesting to be updated on draft permit.

Commented [JW8]: Should this be updated to IC-DF90140 to match what is on Table D and documented in the Draft Permit?

Commented [CJ9R8]: Requesting to have this remain IC001-DF90040, updated Table D to reflect request. Requesting to be updated on draft permit.

Commented [JW10]: Should this be updated to IC-DF90145 to match what is on Table D and documented in the Draft Permit?

Commented [CJ11R10]: Requesting to have this remain IC001-DF90045, updated Table D to reflect request. Requesting to be updated on draft permit.

IC001-13	106.511	9/4/2000
IC001-14	106.511	9/4/2000
IC001-16	106.511	9/4/2000
IC001-17	106.511	9/4/2000
IC001-18	106.511	9/4/2000
IC001-21	106.511	9/4/2000
IC001-22	106.511	9/4/2000
IC001-25	106.511	9/4/2000
IC001-30	106.511	9/4/2000
IC001-32	106.511	09/04/2000
IC001-36	106.511	9/4/2000
IC001-43	106.511	9/4/2000
IC001-44	106.511	9/4/2000
IC001-46	106.511	9/4/2000
IC001-47	106.511	9/4/2000

Commented [JW12]: This should be corrected to IC001-30.

Commented [CJ13R12]: This has been corrected.

IC001-48	106.511	9/4/2000
IC001-49	106.511	9/4/2000
IC001-5	106.511	09/04/2000
IC001-51	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-54	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-56	106.511	09/04/2000
IC001-57	106.511	09/04/2000
IC001-58	106.511	09/04/2000
IC001-59	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-64	106.511	09/04/2000
IC001-65	106.511	09/04/2000
IC001-66	106.511	9/4/2000
IC001-67	106.511	9/4/2000

Commented [JW14]: There are many instance of 03/07/2003 being used as the Version No./Effective Date for PBR 106.511 throughout Table B and Table D. Please review the document in its entirety to correct this deficiency.

These all need to be corrected to 09/04/2000 since that is the valid version no./effective date in the Texas Administrative Code and what is documented in the Draft Permit.

Commented [CJ15R14]: Where applicable, PBR effective date 9/4/2000 has been updated.

IC001-68	106.511	09/04/2000
IC001-69	106.511	9/4/2000
IC001-70	106.511	9/4/2000
IC001-71	106.511	9/4/2000
IC001-72	106.511	9/4/2000
IC001-74	106.511	9/4/2000
IC001-75	106.511	9/4/2000
IC001-76	106.511	9/4/2000
IC001-77	106.511	9/4/2000
IC001-78	106.511	9/4/2000
IC001-79	106.511	9/4/2000
IC001-8	106.511	09/04/2000
IC001-81	106.511	9/4/2000

IC001-82	106.511	3/5/2021
IC001-83	106.511	9/4/2000
IC001-84	106.511	9/4/2000
IC001-85	106.511	9/4/2000
IC001-86	106.511	9/4/2000
IC001-87	106.511	9/4/2000
IC001-88	106.511	9/4/2000
IC001-9	106.511	9/4/2000
IC001-91	106.511	9/4/2000
IC001-92	106.511	9/4/2000
IC001-93	106.511	9/4/2000
IC001-94	106.511	9/4/2000
IC001-95	106.511	9/4/2000
IC002-1	106.511	09/04/2000
IC002-3	106.511	09/04/2000
IC002-4	106.511	09/04/2000
IC002-5	106.511	09/04/2000
IC002-6	106.511	09/04/2000
IC002-7	106.511	09/04/2000
IC002-8	106.511	09/04/2000
IC002-9	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000
IC002-13	106.511	09/04/2000

IC002-15	106.511	09/04/2000
IC002-14	106.511	9/4/2000
IC002-16	106.511	9/4/2000
IC002-17	106.511	9/4/2000
IC002-18	106.511	9/4/2000
IC003-1	106.511	09/04/2000
IC003-8	106.511	09/04/2000
IC003-11	106.511	09/04/2000
IC003-13	106.511	9/4/2000
IC003-14	106.511	9/4/2000
IC003-16	106.511	9/4/2000
IC003-17	106.511	9/4/2000
IC003-18	106.511	9/4/2000
IC003-19	106.511	9/4/2000
IC003-20	106.511	9/4/2000
IC003-21	106.511	9/4/2000
IC003-22	106.511	9/4/2000
IC003-23	106.511	9/4/2000
IC003-24	106.511	9/4/2000
IC003-25	106.511	9/4/2000
IC003-26	106.511	9/4/2000
IC003-27	106.511	9/4/2000
IC003-4	106.511	9/4/2000
IC004-1	106.511	9/4/2000
IC004-2	106.511	9/4/2000
IC004-3	106.511	9/4/2000

IC004-5	106.511	9/4/2000
IC004-6	106.511	9/4/2000
IC004-7	106.511	9/4/2000
IC004-8	106.511	9/4/2000
IC006-1	106.512	06/13/2001
LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
LR002	106.472	3/14/1997
LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
MO001	110	9/12/1989
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
MO011	106.262	11/1/2003

Commented [CJ16]: Requested to be added in email received from TCEQ on 03/14.

SC015	106.231, 106.433	09/04/2000, 03/14/1997
SP001	106.418	11/26/1997
ST004A	51	9/23/1982
ST004B	51	9/23/1982
ST005A	51	10/4/1995
ST005B	106.412	9/4/2000
ST005C	106.412	9/4/2000
ST005E	106.472	3/14/1997
ST005F	106.412	9/4/2000
ST005G	106.412	9/4/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	9/4/2000
ST006B	106.412	9/4/2000
ST006C	106.412	9/4/2000
ST006D	106.412	9/4/2000
ST006E	106.412	9/4/2000
ST007A	106.412	9/4/2000
ST007B	106.473	3/14/1997
ST007C	106.412	9/4/2000
ST007D	106.412	9/4/2000
ST007E	106.412	9/4/2000

ST007F	106.412	9/4/2000
ST007G	106.412	9/4/2000
ST008A	106.472	9/4/2000
ST008B	106.472	9/4/2000
ST008C	106.472	9/4/2000
ST008D	106.472	9/4/2000
ST008E	106.472	9/4/2000
ST008F	106.472	9/4/2000
ST008G	106.412	9/4/2000
ST008H	106.472	9/4/2000
ST008I	106.472	9/4/2000
ST008J	106.472	9/4/2000
ST008K	106.472	9/4/2000
ST008L	106.472	9/4/2000
ST008M	106.472	9/4/2000
ST008N	106.472	9/4/2000
ST008O	106.472	9/4/2000
ST008P	106.472	9/4/2000
ST008Q	106.472	9/4/2000
ST008S	106.472	9/4/2000
ST008T	106.472	9/4/2000
ST008U	106.472	9/4/2000
ST008V	106.472	9/4/2000
ST008W	106.472	9/4/2000
ST009A	106.472	9/4/2000

ST009B	106.472	9/4/2000
ST009C	106.472	9/4/2000
ST009D	106.472	9/4/2000
ST009E	106.472	9/4/2000
ST009F	106.472	9/4/2000
ST010A	106.472	9/4/2000
ST010B	106.472	9/4/2000
ST010C	106.472	9/4/2000
ST012	106.412	9/4/2000
SU002	106.454	3/14/1997
ST014	106.472	9/4/2000
ST016	106.473	9/4/2000
SC011	106.433	3/14/1997
SC021	106.433	5/19/2015
ST003A	106.412	3/14/1997
SU001	106.454	4/1/2002
SU003	106.261	9/11/2002
WL001	106.227	9/4/2000
WW001	106.231 & 106.265	9/4/2000
WW002	106.231 & 106.265	9/4/2000
WW003	106.231 & 106.265	9/4/2000
WW004	106.231 & 106.265	9/4/2000

WW007	106.231 & 106.265	9/4/2000
WW008	106.231 & 106.265	9/4/2000
WW009	106.231 & 106.265	9/4/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed Permit by Rules of Insignificant Sources
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
3/27/2026	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
03/27/2026	O1659	RN101612083

Commented [CJ18R17]: This has been completed.

Unit ID No.	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AB001	106.452	107747	In accordance with Section 106.8, maintain records of the 12 month rolling totals of facility wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1).
COMPREP	113	11/01/2001	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.
CT001	106.371	09/04/2000	The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

EC002	106.495	52124	Maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-32	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-42	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-5	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-51	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-56	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-64	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-65	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-68	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 20215 Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-8	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-85	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-86	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-91	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-92	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-93	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-94	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-95	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-1	106.511	09/04/200	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-15	106.511	09/04/200	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-3	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-4	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-5	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-6	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-7	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-8	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-9	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC003-11	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-1	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units

IC003-8	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-28	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-29	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-30	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-31	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-32	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-33	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-34	106.511	09/04/2000 / 164083	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

Commented [CJ19]: Added by request of email into table A & D

IC006-1	106.512	06/13/2001	In accordance with section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM. PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1). The emissions certifications (ADP-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculations formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horepower hours for each engine are given in manufacturer specifications: Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES, June 2025; Tables 3-4, 3-7 for stationary non-emergency, non-fire pump internal combustion engines.

MO011	106.262	81233	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

Commented [CJ20]: Requested in email (03/14/2026) by TCEQ to be added to Tables B & D

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS.
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
SC016	113	30861	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.

SC021	106.433	13851	Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
ST001A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001B	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001C	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST002A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

ST003A	106.412	24583	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
MO007	106.261, 106.262	98846	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
MO007	106.261, 106.262	147753	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
ARO28	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO29	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO30	41	11/25/1985	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO31	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO32	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO33	41	11/05/1986	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO34	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO35	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO36	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO37	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO38	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO39	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO42	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO65	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO66	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO67	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO68	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO69	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO70	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO71	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO72	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO73	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO74	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO75	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO76	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO77	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO78	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO82	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO84	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO86	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO90	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
EC002	106.183	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

FS011A	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
FS018A	51	11/05/1986	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-18	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-21	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-22	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-25	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-30	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-36	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-43	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-44	106.511	09/04/2000 / TBD	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-46	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-47	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-48	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-49	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-53	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-54	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-55	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-57	106.511	09/04/2000	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-58	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-59	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-60	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-61	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-62	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-66	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-67	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-69	106.511	09/04/2000	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-70	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-71	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-72	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-74	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-75	106.511	09/04/200	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-76	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-77	106.511	09/04/2000	accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-78	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-79	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-81	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-83	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-84	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-87	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-88	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-9	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-10	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-11	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-12	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp

IC002-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC003-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC003-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-19	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-20	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-21	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC001-DF90140	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC001-DF90048	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC001-DF90145	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

Commented [CJ21]: Requesting to have
IC001-DF90140
IC001-DF90048
IC001-DF90145
Changed in draft permit to match Table A

IC003-23	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC003-24	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-25	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-26	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-27	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC004-1	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
MO001	110	09/12/1989	Maintain a copy of Standard Exemption 110 to ensure that equipment is installed and operated in accordance with all applicable requirements.

CLSC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST004A	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST004B	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005A	51	10/04/1995	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	**106.472**	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW008	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000E	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

BR001	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, renewal, and reopening permit application submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information	
RN: 101612083	
CN: 600126262	
Account No.: BF-0129-I	
Permit No.: O1659	
Project No.: 33269	
Area Name: US Department of the Army Fort Hood	
Company Name: US Department of the Army Fort Hood	
II. Certification Type *(Please mark appropriate box)*	
☒ Responsible Official	☐ Duly Authorized Representative
III. Submittal Type *(Please mark appropriate box) (Only one response can be accepted per form)*	
☐ SOP/TOP Initial Permit Application	☐ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application	☒ Update to Permit Application
☐ Other: _____	

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, and renewal permit application submittals requiring certification must be accompanied by this form. Updates to acid rain or CSAPR (other than public notice verification materials) must be certified prior to authorization of public notice for the draft permit.

IV. Certification of Truth

This certification does not extend to information which is designated by TCEQ as information for reference only.

I, Brian L. Dosa certify that I am the Responsible Official.

(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:
Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 02/01/2022 to 03/27/2026.

(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____

(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____

(Date 5) *(Date 6)*

Signature: _____ Signature Date: 24 March 2026

Title: Director of Public Works, US Army Garrison, Fort Hood

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

All initial issuance, revision, and renewal permit application submittals requiring certification must be accompanied by this form. Updates to acid rain or CSAPR (other than public notice verification materials) must be certified prior to authorization of public notice for the draft permit.

I. Identifying Information	
RN:	
CN:	
Account No.:	
Permit No.:	
Project No.:	
Area Name:	
Company Name:	
II. Certification Type *(Please mark appropriate box)*	
☐ Designated Representative	☐ Alternate Designated Representative
III. Requirement and Submittal Type *(Please mark the appropriate boxes for each row)*	
Requirement: ☐ Acid Rain Permit	☐ CSAPR
Submittal Type: ☐ Initial Permit Application	☐ Update to Permit Application
☐ Permit Revision or Renewal	☐ Other:

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

IV. Certification of Truth

I, _____ certify that I am the _____

(Certifier Name printed or typed) *(DR or ADR)*

am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment. The above certification is for the statements and information dated during the time period or on the specific date(s) below:
Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ to _____

(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____

(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

_____ _____

(Date 5) *(Date 6)*

Signature: _____ Signature Date: _____

Title: _____

From: Cassie Johnson <cjohnson4@olsson.com>
Sent: Monday, March 16, 2026 5:38 PM
To: John Walker
Cc: Jim Timmons; Will Calderon; Nick Steinke; Les Cole; Rhyan Stone; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA); Clark, Michael N CIV USARMY IMCOM EUROPE (USA)
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Sounds good, thank you for verifying!

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, March 16, 2026 2:55 PM
To: Cassie Johnson <cjohnson4@olsson.com>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA) <sean.d.goodwin2.civ@army.mil>; Clark, Michael N CIV USARMY IMCOM EUROPE (USA) <michael.n.clark.civ@army.mil>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

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Good Afternoon,

Thank you for pointing out that webpage. Unfortunately, that webpage is outdated. I have informed my management and hopefully it gets updated soon.

Please see the newly revised (06/25) Form OP-DEL instructions. In the first paragraph it specifies that the DAR option is only available for corporations, not parternships, military bases, or municipalities. TCEQ Form 10011 - OP-DEL - Instructions Delegation of Responsible Official Information

Please let me know if you have additional questions.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087

Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

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From: Cassie Johnson <cjohnson4@olsson.com>
Sent: Monday, March 16, 2026 2:48 PM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA) <sean.d.goodwin2.civ@army.mil>; Clark, Michael N CIV USARMY IMCOM EUROPE (USA) <michael.n.clark.civ@army.mil>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Hi John,

Thank you – we will look into the changes noted below and within the OP-PBRSUP form and have the documents returned to you by the 27th.

I wanted to ask for clarification on the assigning of a DAR for military bases. On TCEQ's Responsible Official and Certifications page, it looks like delegation to a DAR is allowed as long as From OP-DEL is included. Is this correct? If this is outdated, no worries, Mr. Dosa can sign to certify the documents.

Thank you,
Cassie

From: Clark, Michael N CIV USARMY IMCOM EUROPE (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, March 16, 2026 6:37 AM
To: John Walker <John.Walker@tceq.texas.gov>; Cassie Johnson <cjohnson4@olsson.com>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Goodwin, Sean D CIV USARMY IMCOM EUROPE (USA) <sean.d.goodwin2.civ@army.mil>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

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Good morning and thank you Mr. Walker,
We will get on this right away. Since we have to get our Director to sign, it may add a day or two.
I was out of office on Friday, but on another note: 24538 has been out for public notice which the comment period ends on Thursday, 19 March. I have the TCEQ-20244 (Public Notice Verification Form) form ready to send to TCEQ and R6AirPermitsTX@epa.gov on Friday to hopefully wrap that up.

Respectfully,

Michael Clark
Program Manager, Clean Air Act Team and Operational Noise
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"

UNCLASSIFIED

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Saturday, March 14, 2026 2:15 PM
To: Clark, Michael N CIV USARMY IMCOM EUROPE (USA) <michael.n.clark.civ@army.mil>; Cassie Johnson <cjohnson4@olsson.com>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone

<Rhyan.Stone@tceq.texas.gov>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Good Afternoon,

I have attached a courtesy copy of the updated Draft Permit for FOP O1659/Project 33269. This draft permit contains all updates made during the project. There are a few corrections that are required on Form OP-PBRSUP and final certification of the application and all updates is required. I have requested this information below. **Please provide the requested information as soon as possible but no later than 03/27/2026**:

1. **Please provide an updated Form OP-PBRSUP**. I have attached the most recently submitted Form OP-PBRSUP with my comments. Please resolve these comments and provide an updated Form OP-PBRSUP. Please note that submitting an updated Form OP-PBRSUP will result in Permit Term 15 being updated to reference the most recently submitted Form OP-PBRSUP. In addition to my comments, please make the following changes:

    a. Unit IDs IC003-28, 29, 30, 31, 32, 33, and 34 are no longer documented on Form OP-PBRSUP Tables A and D, but were previously documented on Tables A and D as being authorized under PBR Registration 106.511/09/04/2000[164083] which is still an active PBR Registration and documented in the Title V permit. Please make the necessary updates.

    b. Unit ID IC006-1 is currently not documented on Tables B and D of Form OP-PBRSUP but is documented in the draft permit as being authorized by PBR 106.512/06/13/2001. Please add this unit to Table B and D of Form OP-PBRSUP.

2. **Please provide Form OP-CRO1.**

    The application and all updates provided need to be certified by the Responsible Official (RO) before TCEQ may issue the Public Notice Authorization Package (PNAP).

    The initial application submittal was certified by Duly Authorized Representative (DAR) Timi M. Dutchuk however, since then it has been determined that the DAR option is not available to Military bases per [30 TAC Chapter 122.165(c) and 40 CFR 70.2 defining “responsible official”]. The RO will need to certify the initial application submittal and all updates provided.

    The current RO on file is Mr. Brian L. Dosa. He will need to sign and submit Form OP-CRO1 to certify the time period of 02/01/2022 to the date you respond with the OP-PBRSUP requested above (your last update) and the Submittal Type should be

marked: Update to Permit Application. If this form is submitted in STEERS as an application update, Form OP-CRO1 will not require the RO's signature because the RO must sign and submit the update with his STEERS account (which is the certification method) but his information should still be provided on Form OP-CRO1. As an alternative, you may mail in the hardcopy of the OP-CRO1 and requested updated but Form OP-CRO1 must have a wet-ink signature from the RO.

Please see the following webpage for guidance on how to submit these updates: Where to Submit FOP Applications and Permit-Related Documents - Texas Commission on Environmental Quality - www.tceq.texas.gov

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1.

Please notify me when these updates have been submitted.

As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6 at R6AirPermitsTX@epa.gov and to the TCEQ regional office having jurisdiction. This submittal information can be found on our website at Where to Submit FOP Applications and Permit-Related Documents.

Please let me know if you have any questions.

Thank you for your cooperation.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey
at www.tceq.texas.gov/customersurvey

From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Tuesday, February 10, 2026 1:31 PM
To: John Walker <John.Walker@tceq.texas.gov>; Cassie Johnson <cjohnson4@olsson.com>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

UNCLASSIFIED

Good afternoon Mr. Walker,
I figured I had best email you in the event that you have not been notified of the manual permit renewal that I have been working with Ms. Carolyn Thomas on since last week. They did find it in STEERS from what I did in August but it was not sent to them due to the payment process (was paid in ePay not STEERS).
After quite a few back and forths, I believe that the renewal is almost complete as last I heard from her is that she is fixing to send me the Public Notice verbiage.

Hope this helps in our Title V endeavor.

Respectfully,

Michael Clark
Program Manager, Clean Air Act Team and Operational Noise
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"

UNCLASSIFIED

From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Wednesday, February 4, 2026 5:38 AM
To: John Walker; Cassie Johnson
Cc: Jim Timmons; Will Calderon; Nick Steinke; Les Cole; Rhyan Stone; Goodwin, Sean D CIV USARMY ID-READINESS (USA)
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]
Attachments: FW: TCEQ ePay Receipt for 582EA000680941

UNCLASSIFIED

Good morning Mr. Walker,
I think I figured out what is going on with the renewal application for 24538 that I submitted back in August of 2025.
During the submission process in which I worked with Miyah Calhoun from the Coating Section, I was told that since the Dept. of Defense had not received a budget yet, that we could do a credit card payment for the minimum of $600 and pay the rest once a Dept. of Defense budget was approved by the President and funds were available.
I submitted the permit in STEERS and my credit card holder paid the minimum fee that was agreed upon (see the TCEQ ePay Receipt attached). Apparently, the Coatings section did not pull my renewal from the "Ready to Pay" status and start their review per our agreement (see attached screenshot that has the Ref Number that I provided to you months ago).

I will give you a call later in the day so we can discuss what the easiest/best way is to move forward with the Title V since there was no review started on my 24538. I will also be making a phone call to the Coatings Section.

Respectfully,

Michael Clark
Program Manager, Clean Air Act Team and Operational Noise
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

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From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, January 26, 2026 7:58 PM
To: John Walker; Cassie Johnson
Cc: Jim Timmons; Will Calderon; Nick Steinke; Les Cole; Rhyan Stone
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

UNCLASSIFIED

Mr. Walker,
I submitted the workbook myself in STEERS with assistance from Sabrina Coty-Butler, Miyah Calhoun, and some other nice folks from TCEQ along with a $600 pre-payment on the the day it was set to expire.

I am at home during this Ice Storm and was just notified that Fort Hood is closed tomorrow as well minus mission essential personnel. I will jump on this first thing once I get back into the office Wednesday.

Thank you very much and we will get this all sorted.

Michael Clark
Program Manager, Clean Air Act Team and Operational Noise
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"

UNCLASSIFIED

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, January 26, 2026 3:42 PM
To: Cassie Johnson <cjohnson4@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Good Afternoon,

I have discussed the request to keep NSR 24538 in the Title V permit with TCEQ Management. It has been confirmed that NSR does not currently have the renewal application for NSR 24538. Please resubmit the renewal application that was previously submitted but include in the cover letter when it was initially submitted.

Please submit the renewal application for NSR 24538 to NSR by 02/06/2026. It should also be submitted to the APIRT email address (APIRT@tceq.texas.gov). Please CC the Operating Permits Section Manager Rhyan Stone (rhyan.stone@tceq.texas.gov) and myself (john.walker@tceq.texas.gov) on the email.

Please let me know if you have any questions.

Thank you for your cooperation.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey
at www.tceq.texas.gov/customersurvey

From: Cassie Johnson <cjohnson4@olsson.com>
Sent: Thursday, January 22, 2026 9:13 AM
To: John Walker <John.Walker@tceq.texas.gov>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Les Cole <lcole@dawsonohana.com>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Hi John,

Fort Hood would like to keep NSR 24538 in the Title V permit. Fort Hood has submitted renewal documents for NSR 24538 and intends to complete the process to allow for renewal of the Title V permit.

Please let me know if you need anything else,
Cassie

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Tuesday, January 13, 2026 4:50 PM
To: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Cassie Johnson <cjohnson4@olsson.com>
Cc: Jim Timmons <jtimmons@olsson.com>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

This Message Is From an External Sender
This message came from outside your organization. Please take care when clicking links or opening attachments. When in doubt, use the Report Phish button or contact IT to have the message analyzed.

Good Afternoon,

It seems that NSR 24538 expired without being renewed. Since the NSR permit is expired, I will need to remove the Units that are authorized by it from the working draft permit. Please confirm if you agree by **01/23/2026**.

Please let me know if you have any questions.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality

MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☒ Other **Military Installation Name Change**

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600126262		**RN 101612083**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	6/11/2025

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*
U.S. Department of the Army	

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*

11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☒ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship	☐ Other:

12. Number of Employees	**13. Independently Owned and Operated?**
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher	☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:								
Department of the Army, Fort Hood								
Directorate of Public Works, Environmental Division (AMIM-HDP-E), 1225 Engineer Dr. , Bldg 4612								
City	Fort Hood	**State**	TX	**ZIP**	76544	**ZIP + 4**	5002	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	brian.l.dosa.civ@army.mil

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(254) 287-8700		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Department of the Army, Fort Hood

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	Directorate of Public Works, Environmental Division (AMIM-HDP-E)							
	1225 Engineer Dr., Bldg 4612							
	City	Fort Hood	**State**	TX	**ZIP**	76544	**ZIP + 4**	5002
24. County	Bell/Coryell							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31.1950 N			97.7413 W		

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
9711		928110	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

U.S. Army Active Military Installation

34. Mailing Address:	**Department of the Army, Fort Hood, Directorate of Public Works, Environmental Division (AMIM-HDP-E)**							
	1225 Engineer Dr. Bldg 4612							
	City	**Fort Hood**	**State**	**TX**	**ZIP**	**76544**	**ZIP + 4**	**5002**
35. E-Mail Address:	**michael.n.clark.civ@army.mil**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(254) 287-6499		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☒ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☒ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Michael Clark	**41. Title:**	Air Quality Program Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(254 **)** 287-8714		**(** 254 **)** 287-3591	michael.n.clark.civ@army.mil

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	U.S. Department of the Army, Fort Hood	**Job Title:**	Chief, Environmental Management Branch
Name *(In Print):*	Sean D Goodwin	**Phone:**	**(** 254 **)** 287- 8700
Signature:	GOODWIN.SEAN.DANIEL.1097040865 Digitally signed by GOODWIN.SEAN.DANIEL.1097040865 Date: 2025.06.23 07:05:56 -05'00'	**Date:**	06/23/2025

Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality

I.	**Application Type**	
☐ Change in Ownership		☒ Change in Company Name
II.	**Name of the New Owner or Operator of the Facilities or Equipment** ***(Legal Entity Name of the new permittee)***	
A.	Customer Name: US DEPARTMENT OF THE ARMY	
B.	Customer Reference Number (CN) *(if issued)*: CN600126262	
C.	Submittal Date: 11/06/2025	
D.	Effective Date of Change: 06/11/2025	
E.	Is the new owner an affiliate of the previous owner?	☒ YES ☐ NO
III.	**Responsible Official (RO) Contact Information**	
Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):		
Full Name: Brian L Dosa		
Title: Director		
Company Name: DEPARTMENT OF THE ARMY FORT HOOD		
Mailing Address: 1255 Engineer Dr, Bldg 4612		
City: Fort Hood		
State: TX		
Zip Code: 76544		
Telephone No.: 254-287-5500		
Fax No.:		
Email Address: brian.l.dosa.civ@army.mil		

Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality

IV.	**Technical Contact Information**	
Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):		
Full Name: Michael Clark		
Title: Program Manger, Clean Air Act Team		
Company Name: DEPARTMENT OF THE ARMY, FORT HOOD		
Mailing Address: 1255 Engineer Dr, Bldg 4612		
City: Fort Hood		
State: TX		
Zip Code: 76544		
Telephone No.: 254-287-8714		
Fax No.:		
Email Address: michael.n.clark.civ@army.mil		
V.	**Site Information**	
A.	Site Name: US DEPARTMENT OF THE ARMY FORT HOOD	
B.	Regulated Entity Number (RN) *(if issued)*: RN101612083	
C.	Account Number *(if issued)*:	
D.	If action is transfer of ownership, is the change for the entire site	☐ YES ☐ NO ☒ N/A
E.	If action is transfer of ownership for a portion of the existing site, will the new site be a major source?	☐ YES ☐ NO ☒ N/A
F.	To the right of each pollutant below select "YES" for which the site is classified as a major source based on the site's potential to emit. Select "NO" for which the site is not a major source.	
Pollutant: VOC		☐ YES ☒ NO
Pollutant: NO_x		☒ YES ☐ NO
Pollutant: SO_2		☐ YES ☒ NO
Pollutant: PM_{10}		☐ YES ☒ NO
Pollutant: CO		☒ YES ☐ NO
Pollutant: PB		☐ YES ☒ NO
Pollutant: HAPS		☐ YES ☒ NO
Other Pollutant:		

VI.	**Air Authorizations That Are Affected By This Action**
A.	List all NSR authorizations (including PBR, SE, and standard permit registrations, and NSR permits), as applicable:
24538, 88412, 24583, 30861, 41479, 50528, 52124, 70014, 98846, 79646, 81233, 107747,	
131851, 147753, 164083	
B.	List all FOPs (including SOPs and ATOs under GOPs), as applicable:
O-01659	

VII. NSR Conditions for Change of Ownership under 30 TAC § 116.110(e)

- The new owner agrees to be bound by all the permit conditions and all representations made in the permit and any amendments and alterations.
- The new owner asserts there will be no change in the type of pollutants emitted.
- The new owner asserts there will be no increase in the quantity emitted.

Change of Name/Ownership Form
Air Permits Division
Texas Commission on Environmental Quality

VIII. FOP Conditions for Change of Ownership

- For SOP holders:
  Pursuant to 30 TAC § 122.210 and § 122.211, the permit holder (new owner) is required to submit a permit revision application for a change to the permit identification of ownership or operational control of a site. The change must be facilitated by a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the old and new permit holder. This written agreement is maintained with the permit.
- For GOP holders:
  Pursuant to 30 TAC § 122.503, the permit holder (new owner) is required to submit (before the change is operated) an application for a new authorization to operate for a change to the permit identification of ownership or operational control of a site. The change must be facilitated by a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the old and new permit holder. This written agreement is maintained with the permit.

A. Are any other changes needed for the FOP? ☐ YES ☐ NO
(If YES, submit the information as explained in the instructions.)

B. Is there an Acid Rain permit or Cross-State Air Pollution Rule (CSAPR) requirements included in the SOP? ☐ YES ☐ NO
(If YES, submit the information as explained in the instructions.)

IX. Authorization

I, Sean Goodwin

certify that I am the responsible official for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

Signature: GOODWIN.SEAN.DANIEL.1097040865 Digitally signed by GOODWIN.SEAN.DANIEL.1097040865 Date: 2025.11.06 12:20:22 -06'00'

Signature Date: 11/06/2025

Title: Chief, Environmental Management Branch (DAR)

Reset Form

From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Thursday, November 13, 2025 8:27 AM
To: John Walker; Cassie Johnson
Cc: Jim Timmons; Will Calderon; Nick Steinke
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]
Attachments: OP-DEL- DAR - SeanGoodwin.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

UNCLASSIFIED

Good morning Mr. Walker, I hope this email finds you well.

Please find the attached TCEQ 20405 and Core Data Form. I am also attaching the OP-DEL form for Delegated Authority for my Chief (Mr. Goodwin).
I do have 2 Core Data Forms submitted in STEERS dated July 2, 2025, the reference numbers are 797825 and 797760

The Steers reference number for NSR 24538 is 808750

Please let me know if there is anything else I need to fix and/or complete.

Very Respectfully,

Michael Clark
Program Manager, Clean Air Act Team
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

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Texas Commission on Environmental Quality
Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program

A Responsible Official (RO) may choose to delegate signature authority to a Duly Authorized Representative (DAR). Such delegation may be made to an individual that has responsibility for the overall operation of one or more manufacturing, production, or operating facilities applying for, or subject to, a federal operating permit. **Send this completed form to the TCEQ Central Office to the attention of the Air Permits Division.** Signature stamps can be accepted in place of an original signature. Faxes, photocopies, and electronic submittals can be accepted in place of an original Form OP-DEL; however, a follow-up submittal of the original Form OP-DEL is requested

I. Identifying Information		
Account No.: BF-0129-I	RN: 101612083	CN: 600126262
Permit No.: O-01659	Area Name: Fort Cavazos	
Company Name: US Department of the Army		
II. Duly Authorized Representative Information		
Action Type: ☒ New DAR Identification ☐ Administrative Information Change		
Conventional Title: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
Name: Sean D. Goodwin		
Title: Chief, Environmental Management Branch	Delegation Effective Date: 08/15/2023	
Telephone No.: (254) 287-8700	Fax No.: (254) 287-3591	
Company Name: US Department of the Army, Fort Cavazos		
Mailing Address: DPW, Environmental Divsion, 4612 Engineer Drive (AMIM-CAP-E)		
City: Fort Cavazos	State: TX	ZIP Code: 76544-5002
E-mail Address: sean.d.goodwin2.civ@army.mil		

III. Certification of Truth, Accuracy, and Completeness

I, Brian L. Dosa ,certify that, based on

(Name printed or typed: RO for New DAR Identification; RO or DAR for Administrative Information Change)

information and belief formed after reasonable inquiry, the statements, and information stated above are true, accurate, and complete. *(RO signature required for New DAR Identification only; DAR signature required for any Action Type)*

Responsible Official Signature: _____ Date: 08/23/2023

Duly Authorized Representative Signature: _____ Date: 8-21-2023

IV. Removal of Duly Authorized Representative(s)

The following should be removed as Duly Authorized Representative(s):

Riki G. Young Effective Date: 04/07/2023

(Name(s) printed or typed)

Responsible Official Signature: _____ Date: 08/23/2023

Texas Commission on Environmental Quality
Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program
(Extension)

V. Additional Identifying Information					
Account No.:	BF-0129-I	RN:	101612083	CN:	600126262
Permit No.:	24538	Area Name:	Fort Cavazos		
Account No.:	BF-0129-I	RN:	101612083	CN:	600126262
Permit No.:	88412	Area Name:	Fort Cavazos		
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			
Account No.:		RN:		CN:	
Permit No.:		Area Name:			

Reset Form

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☒ Other **Military Installation Name Change**

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600126262		**RN 101612083**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	6/11/2025

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*
U.S. Department of the Army	

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*

11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☒ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship	☐ Other:

12. Number of Employees	**13. Independently Owned and Operated?**
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher	☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:								
Department of the Army, Fort Hood								
Directorate of Public Works, Environmental Division (AMIM-HDP-E), 1225 Engineer Dr. , Bldg 4612								
City	Fort Hood	**State**	TX	**ZIP**	76544	**ZIP + 4**	5002	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	brian.l.dosa.civ@army.mil

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(254) 287-8700		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Department of the Army, Fort Hood

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	Directorate of Public Works, Environmental Division (AMIM-HDP-E)							
	1225 Engineer Dr., Bldg 4612							
	City	Fort Hood	**State**	TX	**ZIP**	76544	**ZIP + 4**	5002
24. County	Bell/Coryell							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31.1950 N			97.7413 W		

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
9711		928110	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

U.S. Army Active Military Installation

34. Mailing Address:	**Department of the Army, Fort Hood, Directorate of Public Works, Environmental Division (AMIM-HDP-E)**							
	1225 Engineer Dr. Bldg 4612							
	City	**Fort Hood**	**State**	**TX**	**ZIP**	**76544**	**ZIP + 4**	**5002**
35. E-Mail Address:	**michael.n.clark.civ@army.mil**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(254) 287-6499		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☒ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☒ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Michael Clark	**41. Title:**	Air Quality Program Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(254 **)** 287-8714		**(** 254 **)** 287-3591	michael.n.clark.civ@army.mil

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	U.S. Department of the Army, Fort Hood	**Job Title:**	Chief, Environmental Management Branch
Name *(In Print):*	Sean D Goodwin	**Phone:**	**(** 254 **)** 287- 8700
Signature:	GOODWIN.SEAN.DANIEL.1097040865 Digitally signed by GOODWIN.SEAN.DANIEL.1097040865 Date: 2025.06.23 07:05:56 -05'00'	**Date:**	06/23/2025

From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, November 3, 2025 5:54 AM
To: John Walker; Cassie Johnson
Cc: Jim Timmons; Will Calderon; Nick Steinke
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP - [UNCLASSIFIED]

Follow Up Flag: Follow up
Flag Status: Flagged

UNCLASSIFIED

Good morning Mr. Walker,
Attached is the Core Data Form that I uploaded into STEERS right after the name changed earlier this year (June). I will look to see what all else may have changed that I may have missed earlier and do an OP-1 as necessary.

As for 24538, Robert Kennedy (former Air Manager here) was tracking that 24538 expired in 2029 as he amended/renewed it in 2019 but apparently TCEQ only did the amendment which of course did not change the expiration date.
I worked with Miyah Calhoun and Stephanie Heath and got the PI-1 workbook uploaded into STEERS just prior to expiration and paid a partial fee. I am not sure of it's current status but will check once we are off of furlough. (hopefully they do a CR or something soon as we (ENV) have zero funding and I also would like to get paid as I have not since end of September).

Michael Clark
Program Manager, Clean Air Act Team
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"
UNCLASSIFIED

From: John Walker
Sent: Friday, October 31, 2025 4:59 PM
To: 'Cassie Johnson'
Cc: Jim Timmons; Clark, Michael N CIV USARMY ID-READINESS (USA); Will Calderon; Nick Steinke
Subject: RE: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP

Good Afternoon,

Can you please provide the following information by **11/15/2025:**

1. Please submit to me the TCEQ Core Data Form and the TCEQ 20405 Change of Name/Ownership Form so that TCEQ can complete the name change from Fort Cavazos to Fort Hood for the Title V permit. In addition, please provide an updated Form OP-1 for any other changes that may have occurred due to the name change.

   This was requested on 08/11/2025 to be submitted in STEERS but I did not receive it in STEERS.

2. Looking at the TCEQ database, it seems that NSR 24538 expired without being renewed. Can you please provide me a status update on NSR 24538.

Please let me know if you have any questions.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey
at www.tceq.texas.gov/customersurvey

From: Cassie Johnson <cjohnson4@olsson.com>
Sent: Thursday, August 28, 2025 12:50 PM
To: John Walker
Cc: Jim Timmons; Clark, Michael N CIV USARMY ID-READINESS (USA); Will Calderon; Nick Steinke; Joshua Wheatley
Subject: O1659/Project 33269 U.S. Department of the Army/Fort Hood - OP-PBRSUP
Attachments: 20250827 OP-PBRSUP Fort Hood O1659.docx; 20250827 OP-PBRSUP Fort Hood O1659.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Walker,

Please find OP-PBRSUP attached in PDF and Word configurations for Fort Hood.

Fort Hood and American Water, in correspondence with TCEQ, have agreed to void PBR 54052. It was decided the units under 54052 would be re-registered by their respective owners. The voiding of 54052 will be submitted to TCEQ by Fort Hood/American Water.

American Water will be taking responsibility of the following units from 54052: IC001-19, IC001-33, IC001-34, IC001-35, and IC001-37. These have been removed from OP-PBRSUP.

The remaining units under 54052 will be claimed by Fort Hood under Air PBR 106.511 or 106.371. These include: CT001, IC001-14, IC001-18, IC001-22, IC001-25, IC001-36, IC001-43, IC001-43, IC001-46, IC001-47, IC001-48, IC001-51, IC001-53, IC001-55, IC001-56, IC001-65, I C001-66, IC001-67, IC0011-68, IC001-69, IC001-70, IC001-71, IC001-72, IC001-74, IC001-75, IC001-76, IC001-77, IC001-79, IC001-8, IC001-81, IC001-83, IC001-84, IC001-85, IC001-86, IC001-87, IC001-88, IC001-9, IC001-91, IC001-92, IC001-93, IC001-94 IC001-95, IC002-1, IC002-3, IC002-4, IC002-5, IC002-6, IC002-7, IC002-8, IC002-9, IC002-15, IC003-1, IC003-8.

Units being claimed by Fort Hood have been moved to Table B from Table A in OP-PBRSUP. Table D has been updated to remove 54052 from the column labeled “Version No./Date or Registration Number.” Comments provided on July 26, 2025 by TCEQ have been considered in these updates.

Please let me know if there are any questions or concerns. Thank you,

Cassie Johnson
Environmental
C 540.910.0114

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
8/27/2025	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
AB001	107747	106.452	2/26/2013
EC002	52124	106.495	11/02/2002
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
IC002-9	54052	106.511	03/07/2003
IC003-10	54052	106.511	03/07/2003
IC003-11	54052	106.511	03/07/2003
IC003-1	54052	106.511	03/07/2003
IC003-5	54052	106.511	09/04/2000
IC003-6	54052	106.511	03/07/2003
IC003-7	54052	106.511	03/07/2003
IC003-8	54052	106.511	03/07/2003
IC003-9	54052	106.511	03/07/2003
MO011	81233	106.262	11/01/2003

Unit ID No.	Registration No.	PBR No.	Registration Date
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC016	30861	113	10/04/1995
SC021	131851	106.433	05/19/2015
ST001A	24583	51	11/05/1986
ST001B	24583	51	11/05/1986
ST001C	24583	51	11/05/1986
ST002A	24583	51	11/05/1986
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
MO007	98846	106.261, 106.262	11/04/2011
MO007	147753	106.261, 106.262	08/11/2017

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
08/27/2025	01659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO10A	80	12/1/1972
ARO10B	80	10/1/1972
ARO16A	70	11/25/1985
ARO16B	70	11/25/1985
ARO17A	70	11/5/1986
ARO17B	70	11/5/1986
ARO18A	70	11/25/1985
ARO18B	70	11/25/1985
ARO19A	70	6/7/1996
ARO19B	70	6/7/1996
ARO1A	124	5/4/1994
ARO01B	70	11/5/1986
ARO20A	70	6/7/1996
ARO20B	70	6/7/1996
ARO21A	70	7/20/1992
ARO21B	70	7/20/1992
ARO25A	80	12/1/1972
ARO25B	80	12/1/1972

ARO26A	80	12/1/1972
ARO26B	80	12/1/1972
ARO28	107	5/4/1994
ARO29	107	5/4/1994
ARO2A	124	5/4/1994
ARO2B	70	11/5/1986
ARO30	41	11/25/1985
ARO31	46	5/8/1972
ARO32	107	5/4/1994
ARO33	41	11/5/1986
ARO34	107	5/4/1994
ARO35	46	5/8/1972
ARO36	107	5/4/1994
ARO37	107	5/4/1994
ARO38	107	5/4/1994
ARO39	107	5/4/1994
ARO3A	124	5/4/1994
ARO3B	80	9/17/1973
ARO42	107	5/4/1994
ARO43A	70	11/5/1986
ARO43B	70	11/5/1986
ARO44A	70	11/5/1986
ARO44B	70	11/5/1986
ARO45A	124	5/4/1994
ARO45B	124	5/4/1994
ARO46A	124	5/4/1994
ARO46B	124	5/4/1994
ARO47A	70	11/5/1986

ARO47B	70	11/5/1986
ARO48A	70	11/5/1986
ARO48B	70	11/5/1986
ARO49A	124	5/4/1994
ARO49B	124	5/4/1994
ARO4A	124	5/4/1994
ARO4B	70	11/5/1986
ARO5A	124	5/4/1994
ARO5B	80	9/23/1982
ARO65	70	6/7/1996
ARO66	70	6/7/1996
ARO67	70	6/7/1996
ARO68	41	6/7/1996
ARO69	41	6/7/1996
ARO6A	80	1/8/1980
ARO6B	80	1/8/1980
ARO70	41	6/7/1996
ARO71	41	6/7/1996
ARO72	41	6/7/1996
ARO73	41	6/7/1996
ARO74	41	6/7/1996
ARO75	41	6/7/1996
ARO76	41	6/7/1996
ARO77	41	6/7/1996
ARO78	41	6/7/1996
ARO79	106.454	3/14/1997
ARO7A	80	12/1/1972
ARO7B	80	12/1/1972

ARO80	106.454	3/14/1997
ARO81	106.454	3/14/1997
ARO82	106.454	3/14/1997
ARO83	106.454	3/14/1997
ARO84	106.454	3/14/1997
ARO85	106.454	3/14/1997
ARO86	106.454	3/14/1997
ARO87	106.454	3/14/1997
ARO88	106.454	3/14/1997
ARO89	106.454	3/14/1997
ARO8A	70	11/5/1986
ARO8B	70	11/5/1986
ARO90	106.454	3/14/1997
ARO00	106.433	9/4/2000
BLR36071-1/EC001	106.183	9/4/2000
BLR36071-2/EC001	106.183	9/4/2000
BLR36071-3/EC001	106.183	9/4/2000
BLR36071-4/EC001	106.183	9/4/2000
BR001	106.261 & 106.262	8/4/2005
COMPREP	113	10/4/1995
CT001	106.371	3/7/2003

CT002	106.371	9/4/2000
EC002	106.183	9/4/2000
FS011A	106.472	3/14/1997
FS011B	106.472	3/14/1997
FS011C	106.472	3/14/1997
FS011	106.412	3/14/1997
FS018A	51	11/5/1986
FS018	106.412	9/4/2000
FS019A	106.472	9/4/2000
FS019	106.412	9/4/2000
FS020	106.412	9/4/2000
FS021	106.412	9/4/2000
FS022	106.412	9/4/2000
HH001	106.265	9/4/2000
IC001-DF90048	106.511	9/4/2000
IC001-DF90040	106.511	9/4/2000
IC001-DF90045	106.511	9/4/2000
IC001-10	106.511	9/4/2000

IC001-13	106.511	9/4/2000
IC001-14	106.511	9/4/2000
IC001-16	106.511	9/4/2000
IC001-17	106.511	9/4/2000
IC001-18	106.511	9/4/2000
IC001-21	106.511	9/4/2000
IC001-22	106.511	9/4/2000
IC001-25	106.511	9/4/2000
ICC01-30	106.511	9/4/2000
IC001-32	106.511	3/7/2003
IC001-36	106.511	9/4/2000
IC001-43	106.511	9/4/2000
IC001-44	106.511	9/4/2000
IC001-46	106.511	9/4/2000
IC001-47	106.511	9/4/2000

IC001-48	106.511	9/4/2000
IC001-49	106.511	9/4/2000
IC001-5	106.511	03/07/2003
IC001-51	106.511	3/7/2003
IC001-53	106.511	9/4/2000
IC001-54	106.511	9/4/2000
IC001-55	106.511	9/4/2000
IC001-56	106.511	3/7/2003
IC001-57	106.511	9/4/2000
IC001-58	106.511	9/4/2000
IC001-59	106.511	9/4/2000
IC001-60	106.511	9/4/2000
IC001-61	106.511	9/4/2000
IC001-62	106.511	9/4/2000
IC001-64	106.511	3/7/2003
IC001-65	106.511	3/7/2003
IC001-66	106.511	9/4/2000
IC001-67	106.511	9/4/2000

IC001-68	106.511	3/7/2003
IC001-69	106.511	9/4/2000
IC001-70	106.511	9/4/2000
IC001-71	106.511	9/4/2000
IC001-72	106.511	9/4/2000
IC001-74	106.511	9/4/2000
IC001-75	106.511	9/4/2000
IC001-76	106.511	9/4/2000
IC001-77	106.511	9/4/2000
IC001-78	106.511	9/4/2000
IC001-79	106.511	9/4/2000
IC001-8	106.511	3/7/2003
IC001-81	106.511	9/4/2000

IC001-82	106.511	3/5/2021
IC001-83	106.511	9/4/2000
IC001-84	106.511	9/4/2000
IC001-85	106.511	9/4/2000
IC001-86	106.511	9/4/2000
IC001-87	106.511	9/4/2000
IC001-88	106.511	9/4/2000
IC001-9	106.511	9/4/2000
IC001-91	106.511	9/4/2000
IC001-92	106.511	9/4/2000
IC001-93	106.511	9/4/2000
IC001-94	106.511	9/4/2000
IC001-95	106.511	9/4/2000
IC002-1	106.511	3/7/2003
IC002-3	106.511	3/7/2003
IC002-4	106.511	3/7/2003
IC002-5	106.511	3/7/2003
IC002-6	106.511	3/7/2003
IC002-7	106.511	3/7/2003
IC002-8	106.511	3/7/2003
IC002-9	106.511	3/7/2003
IC002-10	106.511	9/4/2000
IC002-11	106.511	9/4/2000
IC002-12	106.511	9/4/2000
IC002-13	106.511	9/4/2000

IC002-15	106.511	3/7/2003
IC002-14	106.511	9/4/2000
IC002-16	106.511	9/4/2000
IC002-17	106.511	9/4/2000
IC002-18	106.511	9/4/2000
IC003-1	106.511	3/7/2003
IC003-5	106.511	9/4/2000
IC003-6	106.511	3/7/2003
IC003-7	106.511	3/7/2003
IC003-8	106.511	3/7/2003
IC003-9	106.511	3/7/2003
IC003-10	106.511	3/7/2003
IC003-11	106.511	3/7/2003
IC003-13	106.511	9/4/2000
IC003-14	106.511	9/4/2000
IC003-16	106.511	9/4/2000
IC003-17	106.511	9/4/2000
IC003-18	106.511	9/4/2000
IC003-19	106.511	9/4/2000
IC003-20	106.511	9/4/2000
IC003-21	106.511	9/4/2000
IC003-22	106.511	9/4/2000
IC003-23	106.511	9/4/2000
IC003-24	106.511	9/4/2000
IC003-25	106.511	9/4/2000
IC003-26	106.511	9/4/2000
IC003-27	106.511	9/4/2000

IC003-4	106.511	9/4/2000
IC004-1	106.511	9/4/2000
IC004-2	106.511	9/4/2000
IC004-3	106.511	9/4/2000
IC004-5	106.511	9/4/2000
IC004-6	106.511	9/4/2000
IC004-7	106.511	9/4/2000
IC004-8	106.511	9/4/2000
LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
LR002	106.472	3/14/1997
LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
MO001	110	9/12/1989

MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
MO011	106.262	11/1/2003
SC015	106.231, 106.433	09/04/2000, 03/14/1997
SP001	106.418	11/26/1997
ST004A	51	9/23/1982
ST004B	51	9/23/1982
ST005A	51	10/4/1995
ST005B	106.412	9/4/2000
ST005C	106.412	9/4/2000
ST005E	106.472	3/14/1997
ST005F	106.412	9/4/2000
ST005G	106.412	9/4/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	9/4/2000
ST006B	106.412	9/4/2000
ST006C	106.412	9/4/2000
ST006D	106.412	9/4/2000
ST006E	106.412	9/4/2000
ST007A	106.412	9/4/2000
ST007B	106.473	3/14/1997

ST007C	106.412	9/4/2000
ST007D	106.412	9/4/2000
ST007E	106.412	9/4/2000
ST007F	106.412	9/4/2000
ST007G	106.412	9/4/2000
ST008A	106.472	9/4/2000
ST008B	106.472	9/4/2000
ST008C	106.472	9/4/2000
ST008D	106.472	9/4/2000
ST008E	106.472	9/4/2000
ST008F	106.472	9/4/2000
ST008G	106.412	9/4/2000
ST008H	106.472	9/4/2000
ST008I	106.472	9/4/2000
ST008J	106.472	9/4/2000
ST008K	106.472	9/4/2000
ST008L	106.472	9/4/2000
ST008M	106.472	9/4/2000
ST008N	106.472	9/4/2000
ST008O	106.472	9/4/2000
ST008P	106.472	9/4/2000
ST008Q	106.472	9/4/2000
ST008S	106.472	9/4/2000
ST008T	106.472	9/4/2000
ST008U	106.472	9/4/2000

ST008V	106.472	9/4/2000
ST008W	106.472	9/4/2000
ST009A	106.472	9/4/2000
ST009B	106.472	9/4/2000
ST009C	106.472	9/4/2000
ST009D	106.472	9/4/2000
ST009E	106.472	9/4/2000
ST009F	106.472	9/4/2000
ST010A	106.472	9/4/2000
ST010B	106.472	9/4/2000
ST010C	106.472	9/4/2000
ST012	106.412	9/4/2000
SU002	106.454	3/14/1997
ST014	106.472	9/4/2000
ST016	106.473	9/4/2000
SC011	106.433	3/14/1997
SC021	106.433	5/19/2015
ST003A	106.412	3/14/1997
SU001	106.454	4/1/2002
SU003	106.261	9/11/2002
WL001	106.227	9/4/2000
WW001	106.231 & 106.265	9/4/2000

WW002	106.231 & 106.265	9/4/2000
WW003	106.231 & 106.265	9/4/2000
WW004	106.231 & 106.265	9/4/2000
WW007	106.231 & 106.265	9/4/2000
WW008	106.231 & 106.265	9/4/2000
WW009	106.231 & 106.265	9/4/2000

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed Permit by Rules of Insignificant Sources
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
08/27/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AB001	106.452	107747	In accordance with Section 106.8, maintain records of the 12 month rolling totals of facility wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4(a)(1).
COMPREP	113	11/01/2001	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.
CT001	106.371	03/07/2003	The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

EC002	106.495	52124	Maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepower for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-14	106.511	03/07/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-16	106.511	03/07/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-17	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-32	106.511	03/07/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-42	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-5	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-51	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-56	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-64	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-65	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-68	106.511	03/07/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 20215 Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-8	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-85	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-86	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-91	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-92	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-93	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-94	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-95	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-1	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-15	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-3	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-4	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-5	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-6	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-7	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-8	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC002-9	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC003-10	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-11	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-1	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units
IC003-5	106.511	9/4/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-6	106.511	3/7/2003	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-7	106.511	03/07/2003	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-8	106.511	03/07/2003 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-9	106.511	3/7/2003	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

MO011	106.262	81233	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS.
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
SC016	113	30861	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.

SC021	106.433	13851	Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
ST001A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001B	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001C	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST002A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

ST003A	106.412	24583	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
MO007	106.261, 106.262	98846	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
MO007	106.261, 106.262	147753	Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
ARO28	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO29	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO30	41	11/25/1985	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO31	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO32	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO33	41	11/05/1986	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO34	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO35	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO36	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO37	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO38	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO39	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO42	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO65	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO66	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO67	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO68	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO69	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO70	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO71	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO72	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO73	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO74	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO75	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO76	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO77	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO78	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO82	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO84	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO86	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO90	106.454	03/14/1997	VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
EC002	106.183	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 2-3 and 2-5.

FS011A	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
FS018A	51	11/05/1986	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-18	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-21	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-22	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-25	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-30	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-36	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-43	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-44	106.511	09/04/2000 / TBD	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-46	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-47	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-48	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-49	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-53	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-54	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-55	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-57	106.511	09/04/2000	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-58	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-59	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-60	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-61	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-62	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-66	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-67	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-69	106.511	09/04/2000 / TBD	. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-70	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-71	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-72	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-74	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-75	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-76	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-77	106.511	09/04/2000 / TBD	accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-78	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-79	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-81	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-83	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-84	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-87	106.511	09/04/2000 / TBD	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC001-88	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC001-9	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC002-10	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-11	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-12	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.

IC002-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.

IC002-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000.
IC002-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp

IC002-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines > 600 hp.
IC003-13	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.

IC003-14	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-16	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-17	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-18	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-19	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-20	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-21	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC-DF90140	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC-DF90048	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC-DF90145	106.511	9/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-23	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp.
IC003-24	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-25	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-26	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC003-27	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.
IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2025; Tables 3-8, 3-10 for 4-stroke rich burn units.

IC004-1	106.511	09/04/2000	In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
MO001	110	09/12/1989	Maintain a copy of Standard Exemption 110 to ensure that equipment is installed and operated in accordance with all applicable requirements.

CLSC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method’s typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST004A	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST004B	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005A	51	10/04/1995	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW008	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000E	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

BR001	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.

From: Nunez, Hector C CIV USARMY ID-READINESS (USA) <hector.c.nunez.civ@army.mil>
Sent: Thursday, August 14, 2025 11:39 AM
To: Clark, Michael N CIV USARMY ID-READINESS (USA)
Subject: FW: TCEQ ePay Receipt for 582EA000680941

For your records.....

-----Original Message-----
From: steers@tceq.texas.gov <steers@tceq.texas.gov>
Sent: Thursday, August 14, 2025 11:08 AM
To: Nunez, Hector C CIV USARMY ID-READINESS (USA) <hector.c.nunez.civ@army.mil>
Subject: TCEQ ePay Receipt for 582EA000680941

[You don't often get email from steers@tceq.texas.gov. Learn why this is important at https://aka.ms/LearnAboutSenderIdentification]

This is an automated message from the TCEQ ePay system. Please do not reply.
Trace Number: 582EA000680941
Date: 08/14/2025 11:07 AM
Payment Method: CC - Authorization 0000059211 TCEQ Amount: $600.00 Texas.gov Fee: $13.76 Texas.gov Price: $613.76*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Actor: HECTOR NUNEZ
Email: hector.c.nunez.civ@army.mil

Payment Contact: MICHAEL N CLARK
Phone: 254-535-3464
Company: HECTOR NUNEZ
Address: 1388 ENGINEER DR BLDG 4622, FORT HOOD, TX 76544

Fees Paid:
Fee Description AR Number Amount
AIR PERMIT - RENEWAL $600.00

TCEQ Amount: $600.00

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Voucher: 779404
Trace Number: 582EA000680941
Date: 08/14/2025 11:07 AM
Payment Method: CC - Authorization 0000059211 Voucher Amount: $600.00 Fee Paid: AIR PERMIT - RENEWAL RN Number: RN101612083 Site Name: US DEPARTMENT OF THE ARMY Site Address: 4612

ENGINEER DR, FORT HOOD, TX 76544 Site Location: FORT HOOD CN Number: CN600126262 Customer Name: US DEPARTMENT OF THE ARMY FORT HOOD Customer Address: 4612 ENGINEER DR, FORT HOOD, TX 76544 Program Area ID: 24538
Comments: E-PERMIT REF #808750

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To print out a copy of the receipt and vouchers for this transaction either click on or copy and paste the following url into your browser:
https://usg01.safelinks.protection.office365.us/?url=https%3A%2F%2Fwww3.tceq.texas.gov%2Fepay%2Findex.cfm%3Ffuseaction%3Dcor.search%26trace_num_txt%3D582EA000680941&data=05%7C02%7Cmichael.n.clark.civ%40army.mil%7C827341d66f2d442428ef08dddb51183e%7Cfae6d70f954b481192b60530d6f84c43%7C0%7C0%7C638907863522911205%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=HdrlcYOZxiNsIFlZHlitzxDAXE41aBJY0YWrFfjjMvs%3D&reserved=0.

This e-mail transmission and any attachments are believed to have been sent free of any virus or other defect that might affect any computer system into which it is received and opened. It is, however, the recipient's responsibility to ensure that the e-mail transmission and any attachments are virus free, and the sender accepts no responsibility for any damage that may in any way arise from their use.

From: John Walker
Sent: Monday, August 11, 2025 11:21 AM
To: Clark, Michael N CIV USARMY ID-READINESS (USA)
Cc: Nick Steinke; Jim Timmons; Bria Weast; Sam Applegate; Rhyan Stone; Will Calderon
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning Micheal,

For Title V permits, all you need is the EPR_TV which you already have. I do not know much about the other program areas that Fort Hood may be subject to using.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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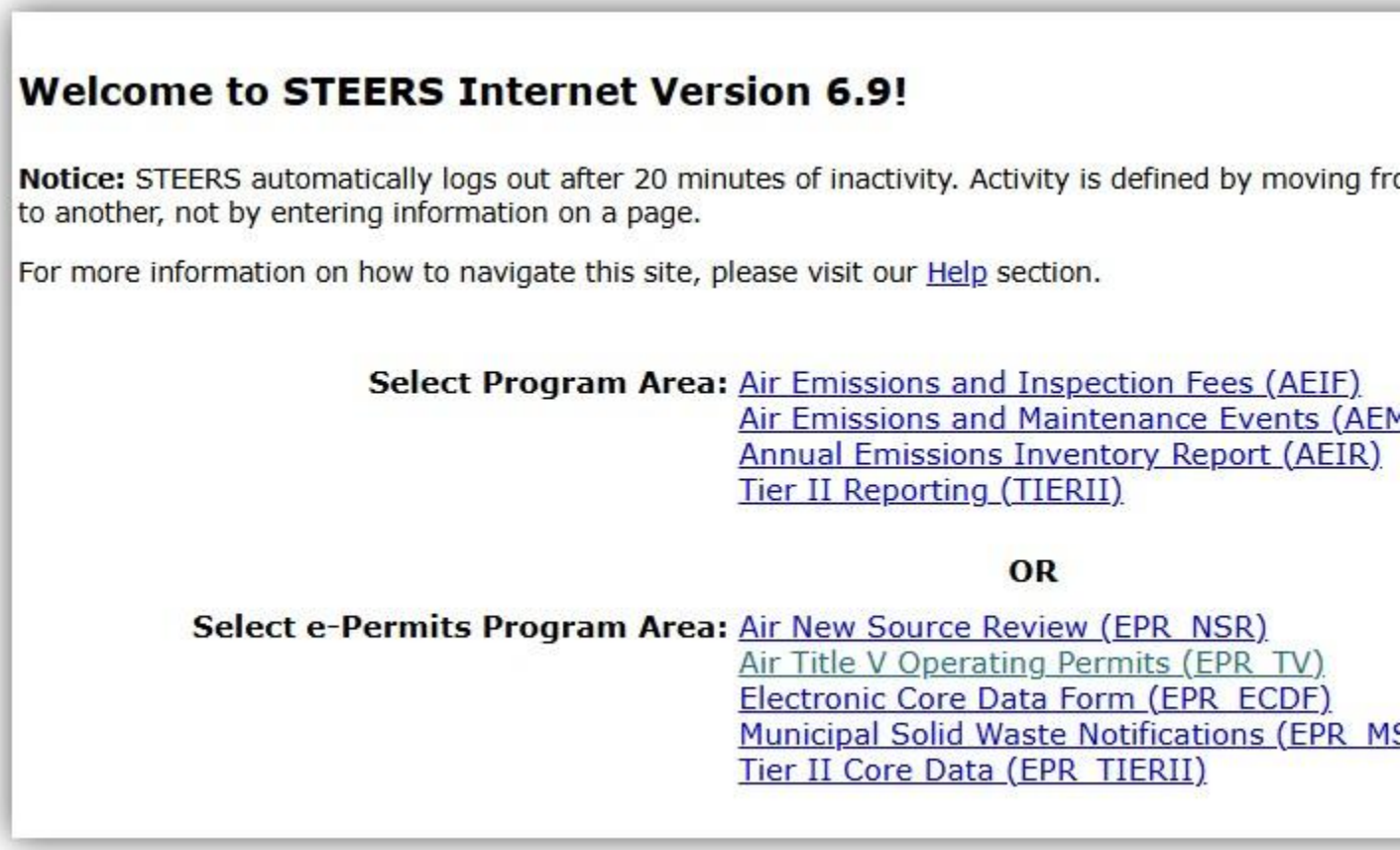
at www.tceq.texas.gov/customersurvey

From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, August 11, 2025 10:36 AM
To: John Walker <John.Walker@tceq.texas.gov>; Will Calderon <wcalderon@olsson.com>
Cc: Nick Steinke <nsteinke@olsson.com>; Jim Timmons <jtimmons@olsson.com>; Bria Weast <bweast@olsson.com>; Sam Applegate <sapplegate@olsson.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Thank you for the great information Mr. Walker!
I do have the Title V Operating Permits on my account but completed submitted the Core Data Form under the EPR_ECDF e-Permit area as I was told by Karen, but now I know.

I am including a screenshot of my STEERS account Program Areas, please let me know if it looks like I have all I need or if you feel I should add a few other programs.

I had to add a few after Robert Kennedy left as there were things that he did as Program Manager that I did not whilst working under him.



Michael Clark
Program Manager, Clean Air Act Team
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, August 11, 2025 9:52 AM
To: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Will Calderon <wcalderon@olsson.com>
Cc: Nick Steinke <nsteinke@olsson.com>; Jim Timmons <jtimmons@olsson.com>; Bria Weast <bweast@olsson.com>; Sam Applegate <sapplegate@olsson.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning,

Regarding the Core Data Form STEERS submittal, I do not see that submitted in the Title V program area of STEERS. During the lifetime of this project, Title V incorporated STEERS into the application submittal process. This is required for all initial application submittals however, updates may still be received by email and mail. You can find more about how to submit in the Title V STEERS program area at the following link: Where to Submit FOP Applications and Permit-Related Documents - Texas Commission on Environmental Quality - www.tceq.texas.gov. I do suggest you set up your STEERS account to have access to the Title V Program area for future application submittals. If you need additional guidance on this, please let me know as I am considered the Title V STEERS subject matter expert.

In regard to the CN documented on the TCEQ 20405 Change of Name/Ownership Form, it should remain “US DEPARTMENT OF THE ARMY” so that it matches the current CN. Please be sure to update the site name under Section V. A of the form.

You may submit these updates in the Title V STEERS program area. I am not requiring it for this project since TCEQ incorporated STEERS into the Title V application submittal process during this project. You may email me a copy of the Core Data Form and the TCEQ 20405 Change of Name/Ownership Form. When the Working Draft Permit is approved, I will request Form OP-CRO1 to certify the application and all updates which will need to be submitted either in Title V STEERS or by mail with a wet-ink signature. All other updates

may remain emails until then.

Please let me know if you have additional questions.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey
at www.tceq.texas.gov/customersurvey

From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, August 11, 2025 8:07 AM
To: John Walker <John.Walker@tceq.texas.gov>; Will Calderon <wcalderon@olsson.com>
Cc: Nick Steinke <nsteinke@olsson.com>; Jim Timmons <jtimmons@olsson.com>; Bria Weast <bweast@olsson.com>; Sam Applegate <sapplegate@olsson.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning Mr. Walker.
I submitted the Core Data Form via STEERS in early July after we received the official orders from the Department of Defense. The person that I worked with from TCEQ was Karen Young.
As I have never done a 20405 and we did not do once when we changed from Fort Hood to Fort Cavazos back in 2016, I just have one question ; our CN lists our Customer Name as "US DEPARTMENT OF THE ARMY" which did not change and will keep that, on my draft 20405 I listed the "Company Name" as "DEPARTMENT OF THE ARMY, FORT HOOD" - will that suffice for the form and the Title V Renewal?

I will reach out to Mr. Calderon and Timmons and we will update the OP-PBRSUP and OP-1 forms as necessary

Thank you for your invaluable assistance and patience with this renewal.

Michael Clark
Program Manager, Clean Air Act Team
Directorate of Public Works, Environmental Division (AMIM-HDP-E)
Bldg. 4622, RM 137
1388 Engineer Dr.
USAG Fort Hood, TX 76544
Desk: 254-287-8714
DSN: 737-8714
Cell: 254-319-0192

"We are the Army's Home"

From: John Walker
Sent: Friday, August 8, 2025 5:10 PM
To: Will Calderon
Cc: Nick Steinke; Jim Timmons; Clark, Michael N CIV USARMY ID-READINESS (USA); Bria Weast; Sam Applegate; Rhyan Stone
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Afternoon,

Please confirm and provide the following requested information as soon as possible but no later than **08/29/2025:**

1. Please disregard the due date in the previous request for information sent on 07/26/2025.

2. Based on the meeting that occurred on 07/31/2025 between TCEQ, American Water, and Fort Hood, it was decided that PBR Registration 54052 will be voided and that Fort Hood will apply for a new PBR Registration. Do you have an estimate on when the application for this new PBR Registration will be submitted? If not, please submit the PBR Registration application to Rule Registrations by 08/29/2025.

   Please continue working on Form OP-PBRSUP as you work through the PBR Registration. The Title V Working Draft Permit and Form OP-PBRSUP will need to reflect the changes due to the new PBR Registration.

3. Please submit to me the TCEQ Core Data Form and the TCEQ 20405 Change of Name/Ownership Form so that TCEQ can complete the name change from Fort Cavazos to Fort Hood for the Title V permit. In addition, please provide an updated Form OP-1 for any other changes that may occurred due to the name change.

Please let me know if you have any questions.

Thank you for your cooperation.

Sincerely,

John Walker
Team Leader
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

---

From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, July 28, 2025 1:35 PM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Nick Steinke <nsteinke@olsson.com>; Jim Timmons <jtimmons@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Bria Weast <bweast@olsson.com>; Sam Applegate <sapplegate@olsson.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Absolutely – done.

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, July 28, 2025 1:26 PM
To: Will Calderon <wcalderon@olsson.com>
Cc: Nick Steinke <nsteinke@olsson.com>; Jim Timmons <jtimmons@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Bria Weast <bweast@olsson.com>; Sam Applegate <sapplegate@olsson.com>; Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

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This message came from outside your organization. Please take care when clicking links or opening attachments. When in doubt, use the Report Phish button or contact IT to have the message analyzed.

Good Afternoon,

Can you please invite the Operating Permits Section Manager Rhyan Stone (rhyan.stone@tceq.texas.gov) to the 07/31 meeting as well. He would like to attend.

Thank you for your cooperation.

Sincerely,

John Walker
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey
at www.tceq.texas.gov/customersurvey

From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, July 28, 2025 10:12 AM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Nick Steinke <nsteinke@olsson.com>; Jim Timmons <jtimmons@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Bria Weast <bweast@olsson.com>; Sam Applegate <sapplegate@olsson.com>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning,

Thank you for the information below. We will review and be prepared with any questions regarding these requests during our meeting on 7/31/25.

-Will C

From:	John Walker
Sent:	Saturday, July 26, 2025 2:07 PM
To:	Will Calderon
Cc:	Nick Steinke; Jim Timmons; Clark, Michael N CIV USARMY ID-READINESS (USA); Bria Weast; Sam Applegate
Subject:	RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments:	20250726 Working Draft Permit_FOP O1659_Project 33269_Marked.docx; 20250726_OP-PBRSUP_Facility response (002)_Marked.docx

Good Afternoon,

Sorry for the delay in my response. I have reviewed the provided documents. Please provide the requested items below by **08/25/2025:**

1. I have attached a copy of Form OP-PBRSUP and the Working Draft Permit with my comments. These comments are examples of the types of deficiencies that need to be resolved. Please refer to these examples when resolving the following items:

    a. In regard to PBRs, everything that is in the Working Draft Permit's New Source Review Authorization References Table (Starting on Page 139) and the following New Source Review Authorization References by Emission's Unit Table needs to be documented on Form OP-PBRSUP. Please cross reference these tables with Form OP-PBRSUP.
    b. On Form OP-PBRSUP, Registered PBRs need to go on Table A and Claimed PBRs need to go on Table B. All information on Table A and B, need to be documented on Table D. There may be units on Form OP-PBRSUP that are not in the Working Draft Permit if they have no Title V Requirements however, every PBR that is documented in the Working Draft Permit needs to be documented on Form OP-PBRSUP. Please cross reference Form OP-PBRSUP with the previously mentioned Tables in the Working Draft Permit.
    c. There have been many changes throughout the lifetime of this project and to my knowledge the Working Draft Permit is up to date and reflects the most accurate information. Please use it as a reference to ensure that Form OP-PBRSUP reflects the most accurate information. I will be able to make changes to the Working Draft Permit in regard to these PBRs without the submittal of additional forms (Forms OP-2 or OP-2) if needed if you provide comments on the Working Draft Permit but it is my understanding that it will not be required. We only need to sort out the Form OP-PBRSUP. Please let me know if you have any comments.
    d. In regard to PBRs, I understand that we have meeting on 07/31/2025. I am providing this request for information ahead of time so that if you have any questions we may go over them during the meeting. Please use the Form OP-PBRSUP and Working Draft Permit submitted to me on 03/14/2025 as the

official documents. The documents I have attached are examples and may have had information changed that was not intentional.

2. It is my understanding that Fort Cavazos has been renamed to Fort Hood. Please submit to me the TCEQ Core Data Form and the TCEQ 20405 Change of Name/Ownership Form. In addition, please provide an updated Form OP-1 for any other changes that may occurred due to the name change.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1. This form will be requested at a later date.

If you choose to submit your application updates through STEERS, please notify me when these updates have been submitted.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
AB001	107747	106.452	2/26/2013
CT001	54052	106.371	03/07/2003
EC002	52124	106.495	11/02/2002
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
IC001-14	54052	106.511	03/07/2003
IC001-16	54052	106.511	03/07/2003
IC001-17	54052	106.511	03/07/2003
IC001-19	54052	106.511	03/07/2003
IC001-32	54052	106.511	03/07/2003
IC001-33	54052	106.511	03/07/2003
IC001-34	54052	106.511	03/07/2023
IC001-35	54052	106.511	03/07/2023
IC001-37	54052	106.511	03/07/2023
IC001-42	54052	106.511	03/07/2023

IC001-5	54052	106.511	03/07/2003
IC001-51	54052	106.511	03/07/2003
IC001-56	54052	106.511	03/07/2003
IC001-64	54052	106.511	03/07/2003
IC001-65	54052	106.511	03/07/2003
IC001-68	54052	106.511	03/07/2003
IC001-8	54052	106.511	03/07/2003
IC001-82	164083	106.511	03/05/2021
IC001-85	54052	106.511	09/04/2000
IC001-86	54052	106.511	09/04/2000
IC002-1	54052	106.511	03/07/2003
IC002-15	54052	106.511	03/07/2003
IC002-3	54052	106.511	03/07/2003
IC002-4	54052	106.511	03/07/2003
IC002-5	54052	106.511	03/07/2003
IC002-6	54052	106.511	03/07/2003
IC002-7	54052	106.511	03/07/2003
IC002-8	54052	106.511	03/07/2003
IC002-9	54052	106.511	03/07/2003
IC003-10	54052	106.511	03/07/2003

IC003-11	54052	106.511	03/07/2003
IC003-1	54052	106.511	03/07/2003
IC003-5	54052	106.511	09/04/2000
IC003-6	54052	106.511	03/07/2003
IC003-7	54052	106.511	03/07/2003
IC003-8	54052	106.511	03/07/2003
IC003-9	54052	106.511	03/07/2003
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC016	30861	113	10/04/1995
SC021	131851	106.433	05/19/2015
ST001A	24583	51	11/05/1986
ST001B	24583	51	11/05/1986
ST001C	24583	51	11/05/1986
ST002A	24583	51	11/05/1986
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002

MO007	98846	106.261, 106.262	11/04/2011
MO007	147753	106.261, 106.262	08/11/2017

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO10A	80	12/01/1972
ARO10B	80	10/01/1972
ARO16A	70	11/25/1985
ARO16B	70	11/25/1985
ARO17A	70	11/05/1986
ARO17B	70	11/05/1986
ARO18A	70	11/25/1985
ARO18B	70	11/25/1985
ARO19A	70	06/07/1996
ARO19B	70	06/07/1996
ARO1A	124	05/04/1994
ARO01B	70	11/05/1986
ARO20A	70	06/07/1996
ARO20B	70	06/07/1996
ARO21A	70	07/20/1992
ARO21B	70	07/20/1992
ARO25A	80	12/01/1972
ARO25B	80	12/01/1972
ARO26A	80	12/01/1972
ARO26B	80	12/01/1972

ARO28	107	05/04/1994
ARO29	107	05/04/1994
ARO2A	124	05/04/1994
ARO2B	70	11/05/1986
ARO30	41	11/25/1985
ARO31	46	05/08/1972
ARO32	107	05/04/1994
ARO33	41	11/05/1986
ARO34	107	05/04/1994
ARO35	46	05/08/1972
ARO36	107	05/04/1994
ARO37	107	05/04/1994
ARO38	107	05/04/1994
ARO39	107	05/04/1994
ARO3A	124	05/04/1994
ARO3B	80	09/17/1973
ARO42	107	05/04/1994
ARO43A	70	11/05/1986
ARO43B	70	11/05/1986
ARO44A	70	11/05/1986
ARO44B	70	11/05/1986

ARO45A	124	05/04/1994
ARO45B	124	05/04/1994
ARO46A	124	05/04/1994
ARO46B	124	05/04/1994
ARO47A	70	11/05/1986
ARO47B	70	11/05/1986
ARO48A	70	11/05/1986
ARO48B	70	11/05/1986
ARO49A	124	05/04/1994
ARO49B	124	05/04/1994
ARO4A	124	05/04/1994
ARO4B	70	11/05/1986
ARO5A	124	05/04/1994
ARO5B	80	09/23/1982
ARO65	70	06/07/1996
ARO66	70	06/07/1996
ARO67	70	06/07/1996
ARO68	41	06/07/1996
ARO69	41	06/07/1996
ARO6A	80	01/08/1980
ARO6B	80	01/08/1980

ARO70	41	06/07/1996
ARO71	41	06/07/1996
ARO72	41	06/07/1996
ARO73	41	06/07/1996
ARO74	41	06/07/1996
ARO75	41	06/07/1996
ARO76	41	06/07/1996
ARO77	41	06/07/1996
ARO78	41	06/07/1996
ARO79	106.454	03/14/1997
ARO7A	80	12/01/1972
ARO7B	80	12/01/1972
ARO80	106.454	03/14/1997
ARO81	106.454	03/14/1997
ARO82	106.454	03/14/1997
ARO83	106.454	03/14/1997
ARO84	106.454	03/14/1997
ARO85	106.454	03/14/1997
ARO86	106.454	03/14/1997
ARO87	106.454	03/14/1997
ARO88	106.454	03/14/1997

ARO89	106.454	03/14/1997
ARO8A	70	11/05/1986
ARO8B	70	11/05/1986
ARO90	106.454	03/14/1997
EC002	106.183	09/04/2000
FS011A	106.472	03/14/1997
FS011B	106.472	03/14/1997
FS011C	106.472	03/14/1997
FS011	106.412	03/14/1997
FS018A	51	11/05/1986
FS018	106.412	09/04/2000
FS019A	106.472	09/04/2000
FS019	106.412	09/04/2000
FS020	106.412	09/04/2000
FS021	106.412	09/04/2000
FS022	106.412	09/04/2000
IC001-10	106.511	09/04/2000
IC001-13	106.511	09/04/2000
IC001-18	106.511	09/04/2000
IC001-21	106.511	09/04/2000
IC001-22	106.511	09/04/2000

Commented [JW1]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW2]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW3]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

IC001-24	106.511	09/04/2000
IC001-25	106.511	09/04/2000
IC001-30	106.511	09/04/2000
IC001-36	106.511	09/04/2000
IC001-43	106.511	09/04/2000
IC001-44	106.511	09/04/2000
IC001-46	106.511	09/04/2000
IC001-47	106.511	09/04/2000
IC001-48	106.511	09/04/2000
IC001-49	106.511	09/04/2000
IC001-50	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-54	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-57	106.511	09/04/2000
IC001-58	106.511	09/04/2000
IC001-59	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-66	106.511	09/04/2000

Commented [JW4]: This Unit ID was removed from the Title V permit, should it be removed from Form OP-PBRSUP Tables B and D?

Commented [JW5]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW6]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW7]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW8]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW9]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW10]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW11]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW12]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW13]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW14]: Removed from Title V permit, Should this be removed from Form OP-PBRSUP Table B and D.

Commented [JW15]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW16]: I do not see this unit in the permit, should it be removed?

Commented [JW17]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW18]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW19]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

IC001-67	106.511	09/04/2000
IC001-69	106.511	09/04/2000
IC001-70	106.511	09/04/2000
IC001-71	106.511	09/04/2000
IC001-72	106.511	09/04/2000
IC001-74	106.511	09/04/2000
IC001-75	106.511	09/04/2000
IC001-76	106.511	09/04/2000
IC001-77	106.511	09/04/2000
IC001-78	106.511	09/04/2000
IC001-79	106.511	09/04/2000
IC001-81	106.511	09/04/2000
IC001-83	106.511	09/04/2000
IC001-84	106.511	09/04/2000
IC001-87	106.511	09/04/2000
IC001-88	106.511	09/04/2000
IC001-9	106.511	09/04/2000
IC002-6	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000

Commented [JW20]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW21]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW22]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW23]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW24]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW25]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW26]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW27]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW28]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW29]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW30]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW31]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW32]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW33]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW34]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW35]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW36]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

Commented [JW37]: Should be on Table A due to PBR Registration 54052 being documented in Title V permit.

IC002-13	106.511	09/04/2000
IC002-14	106.511	09/04/2000
IC002-16	106.511	09/04/2000
IC002-17	106.511	09/04/2000
IC002-18	106.511	09/04/2000
IC003-13	106.511	09/04/2000
IC003-14	106.511	09/04/2000
IC003-16	106.511	09/04/2000
IC003-17	106.511	09/04/2000
IC003-18	106.511	09/04/2000
IC003-19	106.511	09/04/2000
IC003-20	106.511	09/04/2000
IC003-21	106.511	09/04/2000
IC003-22	106.511	09/04/2000
IC003-23	106.511	09/04/2000
IC003-24	106.511	09/04/2000
IC003-25	106.511	09/04/2000
IC003-26	106.511	09/04/2000
IC003-27	106.511	09/04/2000
IC003-4	106.511	09/04/2000
IC004-1	106.511	09/04/2000

IC004-2	106.511	09/04/2000
IC004-3	106.511	09/04/2000
IC004-5	106.511	09/04/2000
IC004-6	106.511	09/04/2000
IC004-7	106.511	09/04/2000
IC004-8	106.511	09/04/2000
LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
LR002	106.472	03/14/1997
LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
MO001	110	09/12/1989
SC015	106.231, 106.433	09/04/2000, 03/14/1997
ST004A	51	09/23/1982
ST004B	51	09/23/1982
ST005A	51	10/04/1995
ST005B	106.412	09/04/2000
ST005C	106.412	09/04/2000
ST005E	106.472	03/14/1997
ST005F	106.412	09/04/2000
ST005G	106.412	09/04/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	09/04/2000

ST006B	106.412	09/04/2000
ST006C	106.412	09/04/2000
ST006D	106.412	09/04/2000
ST006E	106.412	09/04/2000
ST007A	106.412	09/04/2000
ST007B	106.473	03/14/1997
ST007C	106.412	09/04/2000
ST007D	106.412	09/04/2000
ST007E	106.412	09/04/2000
ST007F	106.412	09/04/2000
ST007G	106.412	09/04/2000
ST008A	106.472	09/04/2000
ST008B	106.472	09/04/2000
ST008C	106.472	09/04/2000
ST008D	106.472	09/04/2000
ST008E	106.472	09/04/2000
ST008F	106.472	09/04/2000
ST008G	106.412	09/04/2000
ST008H	106.472	09/04/2000
ST008I	106.472	09/04/2000
ST008J	106.472	09/04/2000

ST008K	106.472	09/04/2000
ST008L	106.472	09/04/2000
ST008M	106.472	09/04/2000
ST008N	106.472	09/04/2000
ST008O	106.472	09/04/2000
ST008P	106.472	09/04/2000
ST008Q	106.472	09/04/2000
ST008S	106.472	09/04/2000
ST008T	106.472	09/04/2000
ST008U	106.472	09/04/2000
ST008V	106.472	09/04/2000
ST008W	106.472	09/04/2000
ST009A	106.472	09/04/2000
ST009B	106.472	09/04/2000
ST009C	106.472	09/04/2000
ST009D	106.472	09/04/2000
ST009E	106.472	09/04/2000
ST009F	106.472	09/04/2000
ST010A	106.472	09/04/2000
ST010B	106.472	09/04/2000
ST010C	106.472	09/04/2000

WL001	106.227	09/04/2000
WW001	106.231 & 106.265	09/04/2000
WW002	106.231 & 106.265	09/04/2000
WW003	106.231 & 106.265	09/04/2000
WW004	106.231 & 106.265	09/04/2000
WW007	106.231 & 106.265	09/04/2000
WW008	106.231 & 106.265	09/04/2000
WW009	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	106.183	09/04/2000
BLR36071-2/EC001	106.183	09/04/2000
BLR36071-3/EC001	106.183	09/04/2000
BLR36071-4/EC001	106.183	09/04/2000
HH001	106.265	09/04/2000
CT001	106.371	03/07/2003
CT002	106.371	09/04/2000
ST012	106.412	09/04/2000
SP001	106.418	11/26/1997
ARO00	106.433	09/04/2000
SU002	106.454	03/14/1997
ST014	106.472	09/04/2000
ST016	106.473	09/04/2000

IC001-56	106.511	03/07/2003
IC001-65	106.511	03/07/2003
IC001-68	106.511	03/07/2003
IC001-8	106.511	03/07/2003
IC001-82	106.511	03/05/2021
IC001-85	106.511	09/04/2000
IC001-86	106.511	09/04/2000
IC002-1	106.511	03/07/2003
IC002-15	106.511	03/07/2003
IC002-3	106.511	03/07/2003
IC002-4	106.511	03/07/2003
IC002-5	106.511	03/07/2003
IC002-6	106.511	09/04/2000
IC002-7	106.511	03/07/2003
IC002-8	106.511	03/07/2003
IC002-9	106.511	03/07/2003
IC003-10	106.511	03/07/2003
IC003-11	106.511	03/07/2003
IC003-1	106.511	03/07/2003
IC003-5	106.511	09/04/2000
IC003-6	106.511	03/07/2003

Commented [JW38]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW39]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW40]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052..

Commented [JW41]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW42]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

Commented [JW43]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.6

Commented [JW44]: Should be removed from Table B due to being documented on Table A for PBR Registration 54052.

IC003-7	106.511	03/07/2003
IC003-8	106.511	03/07/2003
IC003-9	106.511	03/07/2003
MO011	106.262	11/01/2003
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
SC011	106.433	03/14/1997
SC021	106.433	05/19/2015
ST003A	106.412	03/14/1997
SU001	106.454	04/01/2002
SU003	106.261	09/11/2002
BR001	106.261 & 106.262	08/04/2005

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
AB001	106.452	107747	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). Any abrasive cleaning operation that will satisfy paragraph (1) or (2) of this section is permitted by rule: (1) enclosed abrasive cleaning: (A) the particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning; and (B) there are no visible fugitive emissions from the facility. (2) outside blast cleaning: (A) abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and one ton per day; and (B) the blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and (C) records shall be maintained of operating hours and abrasive material usage; and (D) before construction begins, the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and (E) before construction of the facility begins, written site approval shall be received from the executive director.
CT001	106.371	54052	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

Commented [JW45]: For each entry on Table D, it seems that the rule language from the specific PBR was copied over. The monitoring requirement should only list which monitoring requirements requirements apply to the unit.

EC002	106.495	52124	Maintain a copy of Section 106.4 and Section 106.495, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.495, the following conditions are met: (1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. (2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator. (3) The combustible material shall contain no halogenated organic compounds. (4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater. (5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period. (6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions. (7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power. (8) The emission of any air contaminant shall not exceed 0.5 pounds per Hour and 2.0 tons per year. Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6

			EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4 EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51

			EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5

			EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-14	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-16	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-17	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-19	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-32	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-33	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-34	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-35	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-37	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-42	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-51	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-56	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-64	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-65	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-68	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-82	106.511	164083	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-85	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-86	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-15	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-3	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-4	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-10	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-11	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-2	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

MO011	106.262	81233	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6

			EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7 EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Maintain a copy of Section 106.4, 106.533, and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
SC016	113	30861	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.

SC021	106.433	13851	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
ST001A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001B	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001C	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST002A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

ST003A	106.412	24583	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
MO007	106.261, 106.262	98846	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
MO007	106.261, 106.262	147753	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
ARO28	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO29	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO30	41	11/25/1985	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO31	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO32	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO33	41	11/05/1986	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO34	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO35	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO36	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO37	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO38	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO39	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO42	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO65	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO66	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO67	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO68	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO69	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO70	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO71	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO72	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO73	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO74	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO75	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO76	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO77	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO78	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO82	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO83	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO84	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO86	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO87	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO90	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

EC002	106.183	09/04/2000	Maintain a copy of Section 106.4 and Section 106.183, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6 EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4

			EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5
FS011A	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
FS018A	51	11/05/1986	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-22	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

Commented [JW46]: See note above,

IC001-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-30	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-36	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-43	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-44	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-46	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-47	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-48	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-49	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-50	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-53	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-54	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

Commented [JW47]: See comment above for IC001-54

IC001-55	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-57	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-58	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-59	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-60	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-61	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-62	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-66	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-67	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-69	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-70	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

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IC001-71	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-72	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-74	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-75	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-76	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-77	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-78	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-79	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-81	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-83	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-84	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-87	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-88	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-9	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-11	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-12	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-19	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-20	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC-DF90140	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-23	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-26	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-27	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC004-1	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
MO001	110	09/12/1989	Maintain a copy of Standard Exemption 110 to ensure that equipment is installed and operated in accordance with all applicable requirements.

CLosSC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST004A	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST004B	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005A	51	10/04/1995	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW008	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000E	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

BR001	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ARO65	TOUCHUP TOPCOAT OPERATION, BLDG 707	70/06/07/1996
ARO66	TOUCHUP TOPCOAT OPERATION, BLDG 708	70/06/07/1996
ARO67	TOUCHUP TOPCOAT OPERATION, BLDG 7027	70/06/07/1996
BLR36071-1	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-2	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-3	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-4	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
COMPREP	COMPOSITE SITE OPERATIONS	113/10/04/1995
ET001	JET ENGINE TESTING	106.263/11/01/2001 [79646]
ET003	VEHICLE ENGINE TESTING	106.263/11/01/2001 [79646]
FS011	YDAHP F-24 FUELING STATION	106.412/03/14/1997
FS011A	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997
FS011B	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997
FS011C	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997
FS018	LRC FUELING STATION - BIODIESEL	106.412/09/04/2000
FS018A	LRC TANK FARM DIESEL STORAGE TANK A	51/11/05/1986
FS019	LRC FUELING STATION - E-85 GASOLINE	106.412/09/04/2000
FS019A	LRC FUELING STATION E-85 STORAGE TANK A	106.472/09/04/2000
FS020	NFC FUELING STATION	106.412/09/04/2000
FS021	SPLIT TANK GASOLINE FUELING STATION	106.412/09/04/2000
FS022	SPLIT TANK DIESEL FUELING STATION	106.412/09/04/2000

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New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
IC-DF90048	4SRB ENGINE RGAAF - NLV BLDG 90048	106.511/09/04/2000 [54052]
IC-DF90140	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140	106.511/09/04/2000 [54052]
IC-DF90145	4SRB ENGINE FCFD - RGAAF BLDG 90145	106.511/09/04/2000 [54052]
IC001-14	DIESEL ENGINE RANGE CONTROL BLDG 56015	106.511/09/04/2000 [54052]
IC001-18	DIESEL ENGINE ACP #9A-WFC CLARK GATE BLDG 70017	106.511/09/04/2000 [54052]
IC001-21	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793	106.511/09/04/2000 [54052]
IC001-22	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024	106.511/09/04/2000 [54052]
IC001-25	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682	106.511/09/04/2000 [54052]
IC001-30	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031	106.511/09/04/2000 [54052]
IC001-36	DIESEL ENGINE RGAAF BASE OPN BLDG 90029	106.511/09/04/2000 [54052]
IC001-43	DIESEL ENGINE FCFD - STATION 1 BLDG 23024	106.511/09/04/2000 [54052]
IC001-44	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155	106.511/09/04/2000 [54052]
IC001-46	DIESEL ENGINE FHFD - STATION 3 BLDG 7083	106.511/09/04/2000 [54052]
IC001-47	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309	106.511/09/04/2000 [54052]
IC001-48	DIESEL ENGINE OTC COMP SITE BLDG 53401	106.511/09/04/2000 [54052]
IC001-49	DIESEL ENGINE OTC SCIF SITE BLDG 90159	106.511/09/04/2000 [54052]
IC001-51	DIESEL ENGINE LRC ADMIN BLDG 89010	106.511/09/04/2000 [54052]
IC001-53	DIESEL ENGINE LRC MAINFRAME BLDG 88037	106.511/09/04/2000 [54052]
IC001-55	DIESEL ENGINE FCFD STATION 4 BLDG 56517	106.511/09/04/2000 [54052]
IC001-56	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251	106.511/09/04/2000 [54052]
IC001-60	DIESEL ENGINE FIRE PUMP #1 BLDG 90177	106.511/09/04/2000 [54052]

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New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
IC001-65	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067	106.511/09/04/2000 [54052]
IC001-66	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE	106.511/09/04/2000 [54052]
IC001-67	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024	106.511/09/04/2000 [54052]
IC001-68	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021	106.511/09/04/2000 [54052]
IC001-69	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055	106.511/09/04/2000 [54052]
IC001-70	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040	106.511/09/04/2000 [54052]
IC001-71	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670	106.511/09/04/2000 [54052]
IC001-72	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154	106.511/09/04/2000 [54052]
IC001-74	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149	106.511/09/04/2000 [54052]
IC001-75	ACP 9 - CLARK ROAD NORTH GATE BLDG 88052	106.511/09/04/2000 [54052]
IC001-76	VET CLINIC BLDG 4904	106.511/09/04/2000 [54052]
IC001-77	BILLY JOHNSON DENTAL CLINIC BLDG 36014	106.511/09/04/2000 [54052]
IC001-78	ACP 8 - TANK DESTROYER WEST BLDG 88060	106.511/09/04/2000 [54052]
IC001-79	ACP 21 - 79TH STREET GATE BLDG 4624	106.511/09/04/2000 [54052]
IC001-8	DIESEL ENGINE, FC CMNI, BLDG 90500	106.511/09/04/2000 [54052]
IC001-81	FAIRBANK DENTAL CLINIC BLDG 9440	106.511/09/04/2000 [54052]
IC001-83	1ST ARMY HQ BLDG 410	106.511/09/04/2000 [54052]
IC001-84	E911 CENTER BLDG 4435	106.511/09/04/2000 [54052]
IC001-85	RGAAF NLV EAST BLDG 90095	106.511/09/04/2000 [54052]
IC001-86	RGAAF ASR-9 RADAR BLDG 92087	106.511/09/04/2000 [54052]
IC001-87	FIRE SUPPRESSION PUMP 11010 BLDG 11010	106.511/09/04/2000 [54052]

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
IC001-88	FOAM PUMP GREY EAGLE HANGAR BLDG 90176	106.511/09/04/2000 [54052]
IC001-9	DIESEL ENGINE, VISITOR CENTER, BLDG 69012	106.511/09/04/2000 [54052]
IC001-91	FCF - STATION 5	106.511/09/04/2000 [54052]
IC001-92	GRANGER LAKE RADAR	106.511/09/04/2000 [54052]
IC001-93	FIRE PUMP #3	106.511/09/04/2000 [54052]
IC001-94	FIRE PUMP #2	106.511/09/04/2000 [54052]
IC001-95	CRITTENBERGER RANGE	106.511/09/04/2000 [54052]
IC002-1	DIESEL IC EQUIPMENT > 600HP	106.511/09/04/2000 [54052]
IC002-10	DIESEL ENGINE EMERGENCY GENERATOR DAMC #1	106.511/09/04/2000 [54052]
IC002-11	DIESEL ENGINE EMERGENCY GENERATOR DAMC #2	106.511/09/04/2000 [54052]
IC002-12	DIESEL ENGINE EMERGENCY GENERATOR DAMC #3	106.511/09/04/2000 [54052]
IC002-13	DIESEL ENGINE EMERGENCY GENERATOR DAMC #4	106.511/09/04/2000 [54052]
IC002-14	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013	106.511/09/04/2000 [54052]
IC002-15	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13	106.511/09/04/2000 [54052]
IC002-16	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005	106.511/09/04/2000 [54052]
IC002-17	WFC SCIF BLDG 90087	106.511/09/04/2000 [54052]
IC002-18	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758	106.511/09/04/2000 [54052]
IC002-3	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]
IC002-4	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]
IC002-5	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]
IC002-6	DIESEL ENGINE ACS G2ITCE BLDG 22010	106.511/09/04/2000 [54052]

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New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
IC002-7	DIESEL ENGINE III CORPS HQ #1 BLDG 1001	106.511/09/04/2000 [54052]
IC002-8	DIESEL ENGINE III CORPS HQ #2 BLDG 1001	106.511/09/04/2000 [54052]
IC002-9	DIESEL ENGINE III CORPS HQ #3 BLDG 1001	106.511/09/04/2000 [54052]
IC003-1	4SLB ENGINE DPW HQ BLDG 4612	106.511/09/04/2000 [54052]
IC003-11	4SLB ENGINE NEC RSC #6 BLDG 91078	106.511/09/04/2000 [54052]
IC003-16	4SRB ENGINE NEC HQ BLDG 422	106.511/09/04/2000 [54052]
IC003-17	4SRB ENGINE NEC HQ BLDG 422	106.511/09/04/2000 [54052]
IC003-18	4SRB ENGINE NEC RSC #4 BLDG 7031	106.511/09/04/2000 [54052]
IC003-19	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500	106.511/09/04/2000 [54052]
IC003-21	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206	106.511/09/04/2000 [54052]
IC003-24	RGAAF ASR-11 RADAR BLDG 92079	106.511/09/04/2000 [54052]
IC003-25	OTC LAB (ATEC) BLDG 91008	106.511/09/04/2000 [54052]
IC003-26	YDAHP TOWER BLDG 6997	106.511/09/04/2000 [54052]
IC003-27	NFC EOC BLDG 56506	106.511/09/04/2000 [54052]
IC003-28	RGAAF TANK FARM GENERATOR	106.511/09/04/2000 [164083]
IC003-29	NEC RSC #5 NORTH	106.511/09/04/2000 [164083]
IC003-30	NEC RSC #2	106.511/09/04/2000 [164083]
IC003-31	NEC RSC #1	106.511/09/04/2000 [164083]
IC003-32	NEC RSC #3	106.511/09/04/2000 [164083]
IC003-33	NEC RSC #6	106.511/09/04/2000 [164083]
IC003-34	NEC RSC #7	106.511/09/04/2000 [164083]

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
IC003-4	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016	106.511/09/04/2000 [54052]
IC003-8	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016	106.511/09/04/2000 [54052]
IC004-5	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072	106.511/09/04/2000 [54052]
IC004-6	4SRB ENGINE BLORA TRUNK SITE BLDG 20159	106.511/09/04/2000 [54052]
IC004-7	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339	106.511/09/04/2000 [54052]
IC006-1	BLORA PAINTBALL COURSE	106.512/06/13/2001 [54052]
LR002	SITE WIDE DIESEL LOADING RACKS	106.472/03/14/1997
LR003	SITE WIDE F-24 LOADING RACKS	14/10/04/1995, 51/10/04/1995, 106/10/04/1995
MO004	BIOREMEDIATION OPERATIONS	106.262/03/14/1997 [41479], 106.533/07/04/2004 [41479]
MO006	SITE WIDE TANK PURGE OPERATIONS	106.262/11/01/2003 [76961]
MO011	AMMO CRUSHING OPERATIONS	106.261/11/01/2003 [81233], 106.262/11/01/2003 [81233]
SC001	PAINT SPRAY BOOTH BLDG 32023	24538
SC002	PAINT SPRAY BOOTH BLDG 40009	24538
SC003	PAINT SPRAY BOOTH BLDG 7013	24538
SC004	PAINT SPRAY BOOTH BLDG 88027 BAY I	24538
SC005	PAINT SPRAY BOOTH BLDG 88027 BAY II	24538
SC006	PAINT SPRAY BOOTH BLDG 88027 BAY III	24538
SC007	PAINT SPRAY BOOTH BLDG 88027 BAY IV	24538
SC009	PAINT SPRAY BOOTH BLDG 13065	24538

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
SC011	PAINT SPRAY BOOTH BLDG 92060	106.433/03/14/1997 [70014]
SC013	PAINT SPRAY BOOTH BLDG 9576	24538
SC015	MISCELLANEOUS SURFACE COATING OPERATIONS	106.433/03/14/1997
SC016	COMPOSITE SITE OPERATIONS	113/10/04/1995 [30861]
SC017	PAINT SPRAY BOOTH BLDG 11057	106.433/09/04/2000
SC021	PAINT SPRAYING BOOTH BLDG 22041	106.433/09/04/2000 [131851]
ST001A	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986
ST001B	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986
ST001C	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986
ST002A	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	51/11/05/1986
ST003A	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	106.412/03/14/1997
ST004A	RGAAF BULK F-24 STORAGE TANK A	51/09/23/1982
ST004B	RGAAF BULK F-24 STORAGE TANK B	51/09/23/1982
ST005A	MISCELLANEOUS DIESEL STORAGE TANK A	51/10/04/1995
ST005B	MISCELLANEOUS DIESEL STORAGE TANK B	106.412/09/04/2000
ST005C	MISCELLANEOUS DIESEL STORAGE TANK C	106.412/09/04/2000
ST005E	MISC DIESEL STORAGE TANK E	106.472/03/14/1997
ST005F	MISCELLANEOUS DIESEL STORAGE TANK F	106.412/09/04/2000
ST005G	MISCELLANEOUS DIESEL STORAGE TANK G	106.412/09/04/2000
ST005I	DAMC DIESEL STORAGE TANK I	106.412/09/04/2000, 106.472/09/04/2000
ST006C	MISCELLANEOUS F-24 STORAGE TANK C	106.412/09/04/2000

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ST006D	MISCELLANEOUS F-24 STORAGE TANK D	106.412/09/04/2000
ST006E	MISCELLANEOUS F-24 STORAGE TANK E	106.412/09/04/2000
ST007A	MISCELLANEOUS GASOLINE STORAGE TANK A	106.412/09/04/2000
ST007B	MISC GASOLINE STORAGE TANK B	106.473/03/14/1997
ST007C	MISCELLANEOUS GASOLINE STORAGE TANK C	106.412/09/04/2000
ST007D	MISCELLANEOUS GASOLINE STORAGE TANK D	106.412/09/04/2000
ST007E	MISCELLANEOUS GASOLINE STORAGE TANK E	106.412/09/04/2000
ST007F	MISCELLANEOUS GASOLINE STORAGE TANK F	106.412/09/04/2000
ST007G	MISCELLANEOUS GASOLINE STORAGE TANK G	106.412/09/04/2000
ST008A	MISCELLANEOUS USED OIL STORAGE TANK A	106.472/09/04/2000
ST008B	MISCELLANEOUS USED OIL STORAGE TANK B	106.472/09/04/2000
ST008C	MISCELLANEOUS USED OIL STORAGE TANK C	106.472/09/04/2000
ST008D	MISCELLANEOUS USED OIL STORAGE TANK D	106.472/09/04/2000
ST008E	MISCELLANEOUS USED OIL STORAGE TANK E	106.472/09/04/2000
ST008F	MISCELLANEOUS USED OIL STORAGE TANK F	106.472/09/04/2000
ST008G	MISCELLANEOUS USED OIL STORAGE TANK G	106.412/09/04/2000
ST008H	MISCELLANEOUS USED OIL STORAGE TANK H	106.472/09/04/2000
ST008I	MISCELLANEOUS USED OIL STORAGE TANK I	106.472/09/04/2000
ST008J	MISCELLANEOUS USED OIL STORAGE TANK J	106.472/09/04/2000
ST008K	MISCELLANEOUS USED OIL STORAGE TANK K	106.472/09/04/2000
ST008L	MISCELLANEOUS USED OIL STORAGE TANK L	106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ST008M	MISCELLANEOUS USED OIL STORAGE TANK M	106.472/09/04/2000
ST008N	MISCELLANEOUS USED OIL STORAGE TANK N	106.472/09/04/2000
ST008O	MISCELLANEOUS USED OIL STORAGE TANK O	106.472/09/04/2000
ST008P	MISCELLANEOUS USED OIL STORAGE TANK P	106.472/09/04/2000
ST008Q	MISCELLANEOUS USED OIL STORAGE TANK Q	106.472/09/04/2000
ST008S	MISCELLANEOUS USED OIL STORAGE TANK S	106.472/09/04/2000
ST008T	MISCELLANEOUS USED OIL STORAGE T	106.472/09/04/2000
ST008U	MISCELLANEOUS USED OIL STORAGE TANK U	106.472/09/04/2000
ST008V	MISCELLANEOUS USED OIL STORAGE TANK V	106.472/09/04/2000
ST008W	MISCELLANEOUS USED OIL STORAGE TANK W	106.472/09/04/2000
ST009A	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A	106.472/09/04/2000
ST009B	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B	106.472/09/04/2000
ST009C	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C	106.472/09/04/2000
ST009D	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D	106.472/09/04/2000
ST009E	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E	106.472/09/04/2000
ST009F	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F	106.472/09/04/2000
ST010A	MISCELLANEOUS OIL STORAGE TANK A	106.472/09/04/2000
ST010B	MISCELLANEOUS OIL STORAGE TANK B	106.472/09/04/2000
ST010C	MISCELLANEOUS OIL STORAGE TANK C	106.472/09/04/2000
WW001	LRC WOODWORKING AND MANUFACTURING OPERATIONS	106.231/09/04/2000, 106.265/09/04/2000
WW003	DPW WOODWORKING AND MANUFACTURING OPERATIONS	106.231/09/04/2000, 106.265/09/04/2000

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
WW004	DMWR WOODWORKING OPERATIONS	106.231/09/04/2000, 106.265/09/04/2000
WW005	AVN WOODWORKING AND MANUFACTURING OPERATIONS - 731	106.231/09/04/2000, 106.265/09/04/2000
WW007	TSC WOODWORKING OPERATIONS	106.231/09/04/2000, 106.265/09/04/2000
WW009	WOODWORKING OPERATIONS BLDG 40009	106.231/09/04/2000, 106.265/09/04/2000

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

Acronym List 152

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

From: John Walker
Sent: Tuesday, July 22, 2025 9:55 AM
To: Jim Timmons; Joshua Wheatley; Chad.reynolds@amwater.com
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA); Sam Applegate; Nick Steinke; Will Calderon
Subject: RE: PBR 54052

Good Afternoon,

These time slots work for me.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Jim Timmons <jtimmons@olsson.com>
Sent: Tuesday, July 22, 2025 9:51 AM
To: John Walker <John.Walker@tceq.texas.gov>; Joshua Wheatley <Joshua.Wheatley@tceq.texas.gov>; Chad.reynolds@amwater.com
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Sam Applegate <sapplegate@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Will Calderon <wcalderon@olsson.com>
Subject: PBR 54052

Hello Mr. Walker, Mr. Wheatley and Mr. Reynolds,

Would you be available for a call next week between TCEQ, American Water and Ft. Hood (with Olsson/consultant) to discuss the needed changes to PBR 54052 that will allow Ft. Hood to proceed with its Title V renewal application and form PBRSUP?

We are available for a 30 min Teams meeting on July 31 at 2pm CST or August 1 anytime between 10am-2pm CST. Please let me know if any of these time slots work for you or if you have a time or day that would work better.

Thank you,

Jim L. Timmons
Project Scientist / Environmental
C 515.867.2767

1717 Ingersoll Avenue, Suite 111
Des Moines, IA 50309
O 515.331.6517

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From: Will Calderon <wcalderon@olsson.com>
Sent: Friday, March 14, 2025 4:48 PM
To: John Walker
Cc: Nick Steinke; Jim Timmons; Clark, Michael N CIV USARMY ID-READINESS (USA); Bria Weast; Sam Applegate
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos
Attachments: 20250313_OP-SUMR_Facility response.docx; 20250313_OP-PBRSUP_Facility response.docx; 20250313_OP-REQ1 Pages 87 and 88_Facility response.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Mr. Walker,

On behalf of Fort Cavazos, please see attached the forms OP-SUMR, OP-PBRSUP, and OP-REQ1 with responses to your comments included and edits made accordingly.

The facility understands its responsibility to submit an updated form OP-CRO2 in STEERS signed by the new RO.

Regarding PBR Registration 54052 – Fort Cavazos is urging American Water to remove the units from 54052 that should be taken on by Fort Cavazos. Olsson is planning to contact Mr. Dan Sims with the APIRT team to request some specific step-by-step instructions to forward to American Water to guide them through the necessary STEERS steps to have units removed from 54052.

Mr. Sims is the contact you have recommended in the past for PBR-related questions, but please let us know if there is another TCEQ representative that would be better suited for this request. We greatly appreciate your assistance with this!

We will stand by for any additional comments on these forms after you have reviewed and will concurrently be working to resolve the 54052 issues such that the related units in the permit application can be correctly added.

Thank you,

-Will C

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
D	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

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D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE FCFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

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D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE FCFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

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D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

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A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

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A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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A	100	IC002-17	OP-UA2	WFC SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
D	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	111	IC004-1	OP-UA2	4SLB ENGINE FCFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE FCFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE YDAHP BLDG 7004		106.512/06/13/2001[54052]	

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1/10/2025	O1659	RN101612083

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	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		(24538)	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		(24538)	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		(24538)	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		(24538)	
A	177	SC016	OP-UA1	COMPOSITE SITE OPERATIONS		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW1]: For Unit IDs SC004, SC005, SC006, and SC007 (revision items 121, 123, 125, and 127), PBR Registration No. 24538 was provided however there is no PBR Registration No. 24538. There is a NSR permit 24538. I have left the preconstruction authorization as NSR 24538.

Should PBR 106.433 also be documented as a preconstruction authorization for these units? Please look at the OP-SUM excel sheet because the other SC* units also have NSR 24538 documented as a PCA, though some have PBR 106.433.

Commented [JT2R1]: This should be in format referring to NSR 24538.

Commented [JW3R1]: updated

Commented [JW4]: There is no revision 137 on the April 15, 2024 OP-2. I believe this was changed at another date. I am unsure of where this unit came from.

Commented [JT5R4]: Revision 137 on OP-2 corrected to show SC016.

Commented [JW6R4]: So revision 137 on Form OP-2 states to rename Unit ID WW002 as SC016.

This means that WW002 no longer exists. All other instances of WW002 should be removed from this form such as Revisions 138 and 158 on Tables 1 and 2 on Form OP-SUMR. I have also removed the Unit from GRP-WW

The effective Form is OP-UA1 but should it be OP-REQ2 and retain the permit shields that were added with WW002? This is how it is now displayed in the permit.

Commented [SA7R4]: The name change was erroneous. WW002 and SC016 exist at the site. Revision 137 has been restored to its original state, incorporating WW002. Revision 177 has been created to add SC016 and its authorization to the permit. The unit and its authorization are accounted for in Forms OP-SUMR, OP-UA1, OP-PBRSUP, and OP-2.

Texas Commission on Environmental Quality
Federal Operating Permit Program
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Table 1

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1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	137	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

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Commented [JW8]: Description goes over character limit. Kept "DS2", which also matches WW005 in revision item 153.0
Commented [JT9R8]: Could we use "AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731" ?
Commented [JW10R8]: Update made

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	139	IC003-27	OP-UA2	NFC EOC BLDG 56506		106.511/09/04/2000[54052]	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000/[54052]	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000/[54052]	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		106.511/09/04/2000/[54052]	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		106.534/09/12/1989[1866]	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		106.262/05/31/2007/[81875, 83515]	
D	151	BOILER11	OP-UA6	STEAM BOILERS		106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		106.265/09/04/2000	

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER ~~OPERATIONS~~	106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036	106.495/11/02/2002[~~52888~~52124]	
A	153	ET001	OP-UA1	JET ENGINE TESTING	106.263/11/01/2001 [79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING	106.263/11/01/2001 [79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015	106.511/09/04/2000 [54052]	
A	153	IC001-51	OP-UA2	DIESEL ENGINE LRC ADMIN BLDG 89010	106.511/09/04/2000 [54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251	106.511/09/04/2000 [54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067	106.511/09/04/2000 [54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022	106.511/09/04/2000 [54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, F~~H~~C CMNI, BLDG 90500	106.511/09/04/2000 [54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR	106.511/03/05/2021[164083]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095	106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087	106.511/09/04/2000[54052]	
	153	IC002-1	OP-UA2	~~COLD STORAGE~~ DIESEL IC EQUIPMENT > 600HP~~, BLDG 89100A~~	106.511/09/04/2000 [54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13	106.511/09/04/2000 [54052]	

Commented [JW11]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JT12R11]: Filled out OP-UA13 for this group of cooling towers.

Commented [JW13R11]: This unit was not added since the site is not documented as a Major Source of HAPS.

Commented [SA14R11]: I believe this is resolved

Commented [JW15]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [SA16R15]: I believe this may have been a mistake, this emission unit wouldn't require an OP-UA13

Commented [JW17]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT18R17]: Version No./Date corrected to 09/04/2000.

Commented [JW19]: This description goes over the character limit. I have left it as "DIESEL IC EQUIPMENT > 600HP"

Commented [JT20R19]: "DIESEL IC EQUIPMENT > 600HP" will work for this source.

Commented [JW21R19]: updated

	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012	106.511/09/04/2000 [54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001	106.511/09/04/2000 [54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001	106.511/09/04/2000 [54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001	106.511/09/04/2000 [54052]	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078	106.511/09/04/2000 [54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612	106.511/09/04/2000 [54052]	
	153	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016	106.511/09/04/2000 [54052]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS	106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS	106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS	106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS	106.533/07/04/2004 [41479]	
	153	MO006	OP-UA4	FUEL TANKER CLEANING OPERATIONS-BLDG 1949	106.262/11/01/2003 [76961]	

Commented [JW22]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm-

Commented [JT23R22]: Version No./Date corrected to 09/04/2000.

Commented [JW24R22]: updated

	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060	106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041	106.433/09/04/2000 [131851]	
	153	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	153	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	153	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	153	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	51/11/05/1986	
	153	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A	106.412/03/14/1997	
	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949	106.261/09/11/2002[52124]	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707	70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708	70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027	70/06/07/1996	
	~~153~~	~~EC002~~	~~OP-UA1~~	~~SITE WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR~~	~~106.183/09/04/2000~~	
	153	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997	
	153	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997	

Commented [JW25]: EC002 is a Group ID. I believe it should be removed from Table 1 as Table 1 is for individual units.

Commented [WC26R25]: Removed from Table 1

	153	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997	
	153	FS011	OP-UA4	YDAHP F-24 FUELING STATION	106.412/03/14/1997	
	153	FS018A	OP-UA3	LRC TANK FARM DIESEL STORAGE TANK A	51/11/05/1986	
	153	FS018	OP-UA4	LRC FUELING STATION - BIODIESEL	106.412/09/04/2000	
	153	FS019A	OP-UA3	LRC FUELING STATION E-85 STORAGE TANK A	106.472/09/04/2000	
	153	FS019	OP-UA4	LRC FUELING STATION - E-85 GASOLINE	106.412/09/04/2000	
	153	FS020	OP-UA4	NFC FUELING STATION	106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION	106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION	106.412/09/04/2000	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-WFC CLARK GATE BLDG 70017	106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793	106.511/09/04/2000[54052]	
	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022	106.511/09/04/2000[54052]	
	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682	106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031	106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029	106.511/09/04/2000[54052]	

	153	IC001-43	OP-UA2	DIESEL ENGINE FCFD - STATION 1 BLDG 23024	106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155	106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083	106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309	106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401	106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159	106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE LRC MAINFRAME BLDG 88037	106.511/09/04/2000[54052]	
	~~153~~	~~IC001-5455~~	~~OP-UA2~~	~~DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758~~	~~106.511/09/04/2000[54052]~~	
	153	IC001-55	OP-UA2	DIESEL ENGINE FCFD STATION 4 BLDG 56517	106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177	106.511/09/04/2000[54052]	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE	106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024	106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055	106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040	106.511/09/04/2000[54052]	

Commented [JW27]: Unit ID no longer exists and was changed to IC002-18

Commented [JT28R27]: Changed to IC001-55

Commented [JW29R27]: I believe this line should be removed since IC001-55 is already in the line below.

Commented [WC30R27]: Agreed; resolved.

	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670	106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154	106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149	106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052	106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904	106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014	106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060	106.511/09/04/2000[54052]	
A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624	106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440	106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410	106.511/09/04/2000[54052]	
A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435	106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010	106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176	106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012	106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #1	106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #2	106.511/09/04/2000[54052]	

	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #3	106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #4	106.511/09/04/2000[54052]	
	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013	106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005	106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	WFC SCIF BLDG 90087	106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758	106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE FCFD - RGAAF BLDG 90145	106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048	106.511/09/04/2000[54052]	
	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422	106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422	106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031	106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500	106.511/09/04/2000[54052]	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206	106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140	106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079	106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008	106.511/09/04/2000[54052]	

A	153	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997	106.511/09/04/2000[54052]	
A	153	IC003-27	OP-UA2	NFC EOC BLDG 56506	106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016	106.511/09/04/2000[54052]	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072	106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159	106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339	106.511/09/04/2000[54052]	
	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK	106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS	106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS	106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS	106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A	51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B	51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A	51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B	106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C	106.412/09/04/2000	
	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E	106.472/03/14/1997	

	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F	106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G	106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I	106.412/09/04/2000, 106.472/09/04/2000	
	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C	106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D	106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E	106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A	106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B	106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C	106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D	106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E	106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F	106.412/09/04/2000	
	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G	106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A	106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B	106.472/09/04/2000	

	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C	106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D	106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E	106.472/09/04/2000	
	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F	106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G	106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H	106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I	106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J	106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K	106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L	106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M	106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N	106.472/09/04/2000	
	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O	106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P	106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q	106.472/09/04/2000	

	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S	106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T	106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U	106.472/09/04/2000	
	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V	106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W	106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A	106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B	106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C	106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D	106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E	106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F	106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A	106.472/09/04/2000	
	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B	106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C	106.472/09/04/2000	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	

	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731	106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
~~A~~	~~153~~	~~AB001~~	~~OP-UA57~~	~~Abrasive Blasting Room~~	~~106.452/02/26/2013[107747]~~	
~~A~~	~~153~~	~~Brake Repair Downdraft Table~~	~~OP-UA1~~	~~Asbestos Brake Repair and Welding~~	~~106.261/08/04/2005[70022], 106.262/08/04/2005[70022]~~	
~~A~~	~~153~~	~~MO007~~	~~OP-UA1~~	~~Can Crusher~~	~~106.261/11/04/2011[98846], 106.262/11/04/2011[98846]~~	
~~A~~	~~153~~	~~Aerosol Can Crusher~~	~~OP-UA1~~	~~Can Crusher~~	~~106.261/08/11/2017[147753], 106.262/08/11/2017[147753]~~	
~~A~~	~~154~~	~~CT001~~	~~OP-UA13~~	~~SITE-WIDE COOLING TOWER OPERATIONS~~	~~106.371/03/07/2003[54052]~~	
D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A	§106.472/09/04/2000	

Commented [JW31]: This unit was previously removed from permit. See comments for SU001

Commented [SA32R31]: Removed

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Commented [JW33]: Not a valid unit ID. Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements?

Commented [JT34R33]: This unit is being removed. Added to PBRSUP.

Commented [JW35]: Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT36R35]: Added to PBRSUP.

Commented [JT37R35]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for them, we can call them CC001 and CC002."

Mr. Walker, would this suffice?

Commented [JW38R35]: The Units should match EPNs if in a NSR/PBR Registration permit only or it should match Unit IDs from the Title V permit (if they are documented in the Title V permit).

Requesting to be removed if not documented in the Title V permit.

Commented [SA39R35]: Yes, removed from Title V permit. Units are listed on OP-PBRSUP but are not in Title V permit.

Commented [JW40]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT41R40]: Added to OP-PBRSUP.

Commented [JT42R40]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if ...

Commented [JW43R40]: See comment above.

Commented [SA44R40]: This PBR is in PBRSUP and not if ...

Commented [JW45]: is this a process that should be listed o ...

Commented [JT46R45]: CT001 is on OP-PBRSUP.

Commented [JW47R45]: See note above in regard to being ...

Commented [WC48R45]: Agreed; removed.

D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B	§106.412/09/04/2000	
	157	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	157	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	157	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	157	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997	
	157	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997	
	157	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997	
	158	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	158	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	158	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	158	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997	
	158	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997	
	158	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997	106.511/09/04/2000[54052]	
	158	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016	106.511/03/07/2003[54052]	
	158	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	51/11/05/1986	

	158	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A	106.412/03/14/1997	
	158	FS011	OP-UA4	YDAHP F-24 FUELING STATION	106.412/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997	106.511/09/04/2000[54052]	
D	159	IC001-61	OP-UA2	Fire Pump #2	106.511/09/04/2000[54052]	
D	160	IC001-62	OP-UA2	Fire Pump #3	106.511/09/04/2000[54052]	
A	161	IC001-91	OP-UA2	FCF – Station 5	106.511/09/04/2000[54052]	
A	162	IC001-92	OP-UA2	Granger Lake Radar	106.511/09/04/2000[54052]	
A	163	IC001-93	OP-UA2	Fire Pump #3	106.511/09/04/2000[54052]	
A	164	IC001-94	OP-UA2	Fire Pump #2	106.511/09/04/2000[54052]	
A	165	IC001-95	OP-UA2	Crittenberger Range	106.511/09/04/2000[54052]	
D	166	IC003-5	OP-UA2	NEC RSC #5 North	106.511/09/04/2000[54052]	
D	167	IC003-6	OP-UA2	NEC RSC #2	106.511/09/04/2000[54052]	
D	168	IC003-9	OP-UA2	NEC RSC #3	106.511/09/04/2000[54052]	
D	169	IC003-10	OP-UA2	NEC RSC#1	106.511/09/04/2000[54052]	
A	170	IC003-29	OP-UA2	NEC RSC #5 North	106.511/09/04/2000[164083]	
A	171	IC003-30	OP-UA2	NEC RSC #2	106.511/09/04/2000[164083]	
A	172	IC003-31	OP-UA2	NEC RSC#1	106.511/09/04/2000[164083]	
A	173	IC003-32	OP-UA2	NEC RSC #3	106.511/09/04/2000[164083]	
A	174	IC003-33	OP-UA2	NEC RSC #6	106.511/09/04/2000[164083]	
A	175	IC003-34	OP-UA2	NEC RSC #7	106.511/09/04/2000[164083]	

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A	176	IC006-1	OP-UA2	BLORA Paintball Course	106.512/06/13/2001[54052]	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-UA2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
157	FS011A	OP-UA3	D	GRPTANK9
157	FS011B	OP-UA3	D	GRPTANK9
157	FS011C	OP-UA3	D	GRPTANK9
157	ST001A	OP-UA3	D	GRPTANK9
157	ST001B	OP-UA3	D	GRPTANK9
157	ST001C	OP-UA3	D	GRPTANK9

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 87

XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: N/A	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.: N/A	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 24538	Issuance Date: 2/28/2019	Authorization No.:	Issuance Date:
Authorization No.: 88412	Issuance Date: 7/17/2019	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.183	Version No./Date: 06/18/1997
PBR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.231	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: ~~09/11/2002~~09/04/2000
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 03/14/1997
PBR No.: 106.262	Version No./Date: 11/01/2003
~~PBR No.: 106.263~~	~~Version No./Date: 09/09/1998~~
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.313	Version No./Date: 09/04/2000
PBR No.: 106.371	Version No./Date: 09/04/2000
PBR No: 106.412	Version No./Date: 03/14/1997
PBR No: 106.412	Version No./Date: 09/04/2000
PBR No: 106.418	Version No./Date: ~~11/26/1997~~03/14/1997
PBR No: 106.433	Version No./Date: 03/14/1997
PBR No: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 03/14/1997
	[Intentionally left blank]

Commented [JT1]: Added to this form due to SU003 on OP-SUMR Preconstruction Authorization: 106.261/09/11/2002[52124].

Commented [JW2R1]: 09/11/2002 is not a valid Version No./Effective Date for PBR 106.261 per the Texas Administrative Code Chapter 106. The date should be either 03/14/1997, 12/24/1998, 09/04/2000, or 11/01/2003. 09/11/2002 seems to be the Registration Date for PBR Registration 52124.

Since the PBR is already added with the effective date 11/01/2003, I have left it as 11/01/2003 unless there is a different Version No./Effective Date for PBR Registration 52124. Please confirm.

Commented [SA3R1]: PBR version in effect was 09/04/2000 at the time this was approved

Commented [JW4]: This should be removed per your comment on the Working Draft Permit where you confirmed the Correct Effective date is 11/01/2001.

Commented [SA5R4]: To be removed

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Commented [JW6]: This is not a valid Version No./Effective Date. Per the Texas Administrative Code Chapter 106, the date should be 03/14/1997, 07/08/1998, or 09/04/2000. Please confirm the correct date.

Commented [SA7R6]: Version in place at time of permit was 03/14/1997, date has been changed

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.495	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.533	Version No./Date: 07/04/2004
~~PBR No.: 106.533~~	~~Version No./Date: 11/01/2001~~
PBR No.: 14	Version No./Date: 10/04/1995
PBR No.: 41	Version No./Date: 11/25/1985
PBR No.: 41	Version No./Date: 11/05/1986
PBR No.: 41	Version No./Date: 06/07/1996
PBR No.: 46	Version No./Date: 05/08/1972
PBR No.: 51	Version No./Date: 09/23/1982
PBR No.: 51	Version No./Date: 11/05/1986
PBR No.: 51	Version No./Date: 10/04/1995
PBR No.: 51	Version No./Date: 06/07/1996
PBR No.: 70	Version No./Date: 11/25/1985
PBR No.: 70	Version No./Date: 11/05/1986
PBR No.: 70	Version No./Date: 07/20/1992
PBR No.: 70	Version No./Date: 06/07/1996
PBR No.: 75	Version No./Date: 04/05/1995
	[Intentionally left blank]

Commented [JW8]: This is not a valid Version No./Effective Date. Per the Texas Administrative Code Chapter 106, there is only one date and that is 07/04/2004. Since that date is already documented in the entry above, I have removed this from the permit. You should also remove this entry from Form OP-REQ1.

Commented [SA9R8]: To be removed

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Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 75	Version No./Date: 06/07/1996
PBR No.: 80	Version No./Date: 12/01/1972
PBR No.: 80	Version No./Date: 09/17/1973
PBR No.: 80	Version No./Date: 01/08/1980
PBR No.: 80	Version No./Date: 09/23/1982
PBR No.: 80	Version No./Date: 06/07/1996
PBR No.: 86	Version No./Date: 10/04/1995
PBR No.: 89	Version No./Date: 05/04/1994
PBR No.: 102	Version No./Date: 05/04/1994
PBR No.: 106	Version No./Date: 10/04/1995
PBR No.: 107	Version No./Date: 05/04/1994
PBR No.: 107	Version No./Date: 06/07/1996
PBR No.: 110	Version No./Date: 09/12/1989
PBR No.: 113	Version No./Date: 10/04/1995
PBR No.: 124	Version No./Date: 05/04/1994
PBR No.: 124	Version No./Date: 06/07/1996

♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
AB001	107747	106.452	2/26/2013
CT001	54052	106.371	03/07/2003
EC002	52124	106.495	11/02/2002
~~EC002~~	~~Claimed, No Registration Required~~	~~106.183~~	~~09/04/2000~~
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
IC001-14	54052	106.511	03/07/2003
IC001-16	54052	106.511	03/07/2003
IC001-17	54052	106.511	03/07/2003
IC001-19	54052	106.511	03/07/2003
IC001-32	54052	106.511	03/07/2003
IC001-33	54052	106.511	03/07/2003
IC001-34	54052	106.511	03/07/2023
IC001-35	54052	106.511	03/07/2023
IC001-37	54052	106.511	03/07/2023
IC001-42	54052	106.511	03/07/2023

Commented [SA1]: Permit is currently owned by American Water, units will need to be transferred to Ft. Cavazos once American Water files to remove equipment.

Commented [WC2R1]: Comment applies to all units registered under 54052.

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IC001-5	54052	106.511	03/07/2003
IC001-51	54052	106.511	03/07/2003
IC001-56	54052	106.511	03/07/2003
IC001-64	54052	106.511	03/07/2003
IC001-65	54052	106.511	03/07/2003
IC001-68	54052	106.511	03/07/2003
IC001-8	54052	106.511	03/07/2003
IC001-82	164083	106.511	03/05/2021
IC001-85	~~Claimed, No Registration Required~~54052	106.511	09/04/2000
IC001-86	~~Claimed, No Registration Required~~54052	106.511	09/04/2000
IC002-1	54052	106.511	03/07/2003
IC002-15	54052	106.511	03/07/2003
IC002-3	54052	106.511	03/07/2003
IC002-4	54052	106.511	03/07/2003
IC002-5	54052	106.511	03/07/2003
IC002-6	54052	106.511	03/07/2003~~09/04/2000~~
IC002-7	54052	106.511	03/07/2003
IC002-8	54052	106.511	03/07/2003
IC002-9	54052	106.511	03/07/2003

IC003-10	54052	106.511	03/07/2003
IC003-11	54052	106.511	03/07/2003
IC003-1	54052	106.511	03/07/2003
IC003-5	54052	106.511	09/04/2000
IC003-6	54052	106.511	03/07/2003
IC003-7	54052	106.511	03/07/2003
IC003-8	54052	106.511	03/07/2003
IC003-9	54052	106.511	03/07/2003
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC016	30861	113	10/04/1995
SC021	131851	106.433	05/19/2015
ST001A	24583	51	11/05/1986
ST001B	24583	51	11/05/1986
ST001C	24583	51	11/05/1986
ST002A	24583	51	11/05/1986
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002

SU003	52124	106.261	09/11/2002
MO007	98846	106.261, 106.262	11/04/2011
MO007	147753	106.261, 106.262	08/11/2017
~~HH001~~	~~Claimed, No Registration Required~~	~~106.265~~	~~09/04/2000~~
~~CT002~~	~~54052~~	~~106.371~~	~~09/04/2000~~
~~ST012~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~SP001~~	~~Claimed, No Registration Required~~	~~106.418~~	~~11/26/1997~~
~~ARO00~~	~~24538~~	~~106.433~~	~~09/04/2000~~
~~SU002~~	~~Claimed, No Registration Required~~	~~106.454~~	~~03/14/1997~~
~~ST014~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST016~~	~~Claimed, No Registration Required~~	~~106.473~~	~~09/04/2000~~
~~ARO79~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO80~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO81~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO82~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO83~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO84~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO85~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO86~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO87~~	~~50528~~	~~106.454~~	~~03/14/1997~~

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~~ARO88~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO89~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~ARO90~~	~~50528~~	~~106.454~~	~~03/14/1997~~
~~FS011A~~	~~Claimed, No Registration Required~~	~~106.472~~	~~03/14/1997~~
~~FS011B~~	~~Claimed, No Registration Required~~	~~106.472~~	~~03/14/1997~~
~~FS011C~~	~~Claimed, No Registration Required~~	~~106.472~~	~~03/14/1997~~
~~FS011~~	~~Claimed, No Registration Required~~	~~106.412~~	~~03/14/1997~~
~~FS018~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~FS019A~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
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~~FS021~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~FS022~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
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~~IC001-18~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-21~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-22~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-24~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC001-25~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-30~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~

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~~IC001-43~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-44~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-46~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-47~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
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~~IC001-49~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-53~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-55~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-60~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-61~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-62~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-66~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-67~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-69~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-70~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-71~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-72~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-74~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-75~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~

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~~IC001-76~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-77~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-78~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-79~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
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~~IC001-87~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
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~~IC001-9~~	~~54052~~	~~106.511~~	~~09/04/2000~~
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~~IC002-17~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC001-54~~ ~~IC002-18~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-13~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~

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~~IC003-14~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC003-16~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-17~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-18~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-19~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-20~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-21~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-22~~ ~~IC-DF90140~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
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~~IC003-26~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-27~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC003-4~~	~~Claimed, No Registration Required~~	~~106.511~~	~~09/04/2000~~
~~IC004-1~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC004-2~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC004-3~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC004-5~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC004-6~~	~~54052~~	~~106.511~~	~~09/04/2000~~
~~IC004-7~~	~~54052~~	~~106.511~~	~~09/04/2000~~

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~~IC004-8~~	~~54052~~	~~106.511~~	~~09/04/2000~~
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~~ST005F~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST005G~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST005I~~	~~Claimed, No Registration Required~~	~~106.412, 106.472~~	~~09/04/2000, 09/04/2000~~
~~ST006A~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST006B~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST006C~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST006D~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST006E~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST007A~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST007B~~	~~Claimed, No Registration Required~~	~~106.473~~	~~03/14/1997~~
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~~ST007D~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
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~~ST007F~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~

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~~ST007G~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST008A~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008B~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
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~~ST008E~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008F~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008G~~	~~Claimed, No Registration Required~~	~~106.412~~	~~09/04/2000~~
~~ST008H~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008I~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008J~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008K~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008L~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008M~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008N~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008O~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008P~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008Q~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008S~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008T~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~

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~~ST008U~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008V~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST008W~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
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~~ST009C~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST009D~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST009E~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST009F~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST010A~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST010B~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~ST010C~~	~~Claimed, No Registration Required~~	~~106.472~~	~~09/04/2000~~
~~WL001~~	~~Claimed, No Registration Required~~	~~106.227~~	~~09/04/2000~~
~~WW001~~	~~Claimed, No Registration Required~~	~~106.231 & 106.265~~	~~09/04/2000~~
~~WW002~~	~~Claimed, No Registration Required~~	~~106.231 & 106.265~~	~~09/04/2000~~
~~WW003~~	~~Claimed, No Registration Required~~	~~106.231 & 106.265~~	~~09/04/2000~~
~~WW004~~	~~Claimed, No Registration Required~~	~~106.231 & 106.265~~	~~09/04/2000~~
~~WW007~~	~~Claimed, No Registration Required~~	~~106.231 & 106.265~~	~~09/04/2000~~
~~WW009~~	~~Claimed, No Registration Required~~	~~106.231 & 106.265~~	~~09/04/2000~~
~~BLR36071-1/EC001~~	~~Claimed, No Registration Required~~	~~106.183~~	~~09/04/2000~~

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~~BLR36071-3/EC001~~	~~Claimed, No Registration Required~~	~~106.183~~	~~09/04/2000~~
~~BLR36071-4/EC001~~	~~Claimed, No Registration Required~~	~~106.183~~	~~09/04/2000~~
~~Brake Repair Downdraft Table~~	~~70022~~	~~106.261 & 106.262~~	~~08/04/2005~~
~~MO007~~	~~98846~~	~~106.261 & 106.262~~	~~11/04/2011~~
~~Aerosol Can Crusher~~	~~147753~~	~~106.261 & 106.262~~	~~08/11/2017~~

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Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO10A	80	12/01/1972
ARO10B	80	10/01/1972
ARO16A	70	11/25/1985
ARO16B	70	11/25/1985
ARO17A	70	11/05/1986
ARO17B	70	11/05/1986
ARO18A	70	11/25/1985
ARO18B	70	11/25/1985
ARO19A	70	06/07/1996
ARO19B	70	06/07/1996
ARO1A	124	05/04/1994
ARO01B	70	11/05/1986
ARO20A	70	06/07/1996
ARO20B	70	06/07/1996
ARO21A	70	07/20/1992
ARO21B	70	07/20/1992
ARO25A	80	12/01/1972
ARO25B	80	12/01/1972
ARO26A	80	12/01/1972
ARO26B	80	12/01/1972

ARO28	107	05/04/1994
ARO29	107	05/04/1994
ARO2A	124	05/04/1994
ARO2B	70	11/05/1986
ARO30	41	11/25/1985
ARO31	46	05/08/1972
ARO32	107	05/04/1994
ARO33	41	11/05/1986
ARO34	107	05/04/1994
ARO35	46	05/08/1972
ARO36	107	05/04/1994
ARO37	107	05/04/1994
ARO38	107	05/04/1994
ARO39	107	05/04/1994
ARO3A	124	05/04/1994
ARO3B	80	09/17/1973
ARO42	107	05/04/1994
ARO43A	70	11/05/1986
ARO43B	70	11/05/1986
ARO44A	70	11/05/1986
ARO44B	70	11/05/1986

ARO45A	124	05/04/1994
ARO45B	124	05/04/1994
ARO46A	124	05/04/1994
ARO46B	124	05/04/1994
ARO47A	70	11/05/1986
ARO47B	70	11/05/1986
ARO48A	70	11/05/1986
ARO48B	70	11/05/1986
ARO49A	124	05/04/1994
ARO49B	124	05/04/1994
ARO4A	124	05/04/1994
ARO4B	70	11/05/1986
ARO5A	124	05/04/1994
ARO5B	80	09/23/1982
ARO65	70	06/07/1996
ARO66	70	06/07/1996
ARO67	70	06/07/1996
ARO68	41	06/07/1996
ARO69	41	06/07/1996
ARO6A	80	01/08/1980
ARO6B	80	01/08/1980

ARO70	41	06/07/1996
ARO71	41	06/07/1996
ARO72	41	06/07/1996
ARO73	41	06/07/1996
ARO74	41	06/07/1996
ARO75	41	06/07/1996
ARO76	41	06/07/1996
ARO77	41	06/07/1996
ARO78	41	06/07/1996
ARO79	106.454	03/14/1997
ARO7A	80	12/01/1972
ARO7B	80	12/01/1972
ARO80	106.454	03/14/1997
ARO81	106.454	03/14/1997
ARO82	106.454	03/14/1997
ARO83	106.454	03/14/1997
ARO84	106.454	03/14/1997
ARO85	106.454	03/14/1997
ARO86	106.454	03/14/1997
ARO87	106.454	03/14/1997
ARO88	106.454	03/14/1997

ARO89	106.454	03/14/1997
ARO8A	70	11/05/1986
ARO8B	70	11/05/1986
ARO90	106.454	03/14/1997

EC002	106.183	09/04/2000
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FS011A	106.472	03/14/1997
FS011B	106.472	03/14/1997
FS011C	106.472	03/14/1997
FS011	106.412	03/14/1997
FS018A	51	11/05/1986
FS018	106.412	09/04/2000
FS019A	106.472	09/04/2000
FS019	106.412	09/04/2000
FS020	106.412	09/04/2000
FS021	106.412	09/04/2000
FS022	106.412	09/04/2000
IC001-10	106.511	09/04/2000
IC001-13	106.511	09/04/2000
IC001-18	106.511	09/04/2000
IC001-21	106.511	09/04/2000
IC001-22	106.511	09/04/2000
IC001-24	106.511	09/04/2000
IC001-25	106.511	09/04/2000
IC001-30	106.511	09/04/2000

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IC001-36	106.511	09/04/2000
IC001-43	106.511	09/04/2000
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IC001-46	106.511	09/04/2000
IC001-47	106.511	09/04/2000
IC001-48	106.511	09/04/2000
IC001-49	106.511	09/04/2000
IC001-50	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-54	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-57	106.511	09/04/2000
IC001-58	106.511	09/04/2000
IC001-59	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-66	106.511	09/04/2000
IC001-67	106.511	09/04/2000
IC001-69	106.511	09/04/2000
IC001-70	106.511	09/04/2000

IC001-71	106.511	09/04/2000
IC001-72	106.511	09/04/2000
IC001-74	106.511	09/04/2000
IC001-75	106.511	09/04/2000
IC001-76	106.511	09/04/2000
IC001-77	106.511	09/04/2000
IC001-78	106.511	09/04/2000
IC001-79	106.511	09/04/2000
IC001-81	106.511	09/04/2000
IC001-83	106.511	09/04/2000
IC001-84	106.511	09/04/2000
IC001-87	106.511	09/04/2000
IC001-88	106.511	09/04/2000
IC001-9	106.511	09/04/2000
IC002-6	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000
IC002-13	106.511	09/04/2000
IC002-14	106.511	09/04/2000
IC002-16	106.511	09/04/2000

IC002-17	106.511	09/04/2000
~~IC001-54~~ IC002-18	106.511	09/04/2000
IC003-13	106.511	09/04/2000
IC003-14	106.511	09/04/2000
IC003-16	106.511	09/04/2000
IC003-17	106.511	09/04/2000
IC003-18	106.511	09/04/2000
IC003-19	106.511	09/04/2000
IC003-20	106.511	09/04/2000
IC003-21	106.511	09/04/2000
IC003-22	106.511	09/04/2000
IC003-23	106.511	09/04/2000
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IC003-24	106.511	09/04/2000
IC003-25	106.511	09/04/2000
IC003-26	106.511	09/04/2000
IC003-27	106.511	09/04/2000
IC003-4	106.511	09/04/2000
IC004-1	106.511	09/04/2000

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IC004-3	106.511	09/04/2000
IC004-5	106.511	09/04/2000
IC004-6	106.511	09/04/2000
IC004-7	106.511	09/04/2000
IC004-8	106.511	09/04/2000
LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
LR002	106.472	03/14/1997
LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995
MO001	110	09/12/1989
SC015	106.231, 106.433	09/04/2000, 03/14/1997
ST004A	51	09/23/1982
ST004B	51	09/23/1982
ST005A	51	10/04/1995
ST005B	106.412	09/04/2000
ST005C	106.412	09/04/2000
ST005E	106.472	03/14/1997
ST005F	106.412	09/04/2000
ST005G	106.412	09/04/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	09/04/2000

ST006B	106.412	09/04/2000
ST006C	106.412	09/04/2000
ST006D	106.412	09/04/2000
ST006E	106.412	09/04/2000
ST007A	106.412	09/04/2000
ST007B	106.473	03/14/1997
ST007C	106.412	09/04/2000
ST007D	106.412	09/04/2000
ST007E	106.412	09/04/2000
ST007F	106.412	09/04/2000
ST007G	106.412	09/04/2000
ST008A	106.472	09/04/2000
ST008B	106.472	09/04/2000
ST008C	106.472	09/04/2000
ST008D	106.472	09/04/2000
ST008E	106.472	09/04/2000
ST008F	106.472	09/04/2000
ST008G	106.412	09/04/2000
ST008H	106.472	09/04/2000
ST008I	106.472	09/04/2000
ST008J	106.472	09/04/2000

ST008K	106.472	09/04/2000
ST008L	106.472	09/04/2000
ST008M	106.472	09/04/2000
ST008N	106.472	09/04/2000
ST008O	106.472	09/04/2000
ST008P	106.472	09/04/2000
ST008Q	106.472	09/04/2000
ST008S	106.472	09/04/2000
ST008T	106.472	09/04/2000
ST008U	106.472	09/04/2000
ST008V	106.472	09/04/2000
ST008W	106.472	09/04/2000
ST009A	106.472	09/04/2000
ST009B	106.472	09/04/2000
ST009C	106.472	09/04/2000
ST009D	106.472	09/04/2000
ST009E	106.472	09/04/2000
ST009F	106.472	09/04/2000
ST010A	106.472	09/04/2000
ST010B	106.472	09/04/2000
ST010C	106.472	09/04/2000

WL001	106.227	09/04/2000
WW001	106.231 & 106.265	09/04/2000
WW002	106.231 & 106.265	09/04/2000
WW003	106.231 & 106.265	09/04/2000
WW004	106.231 & 106.265	09/04/2000
WW007	106.231 & 106.265	09/04/2000
WW008	106.231 & 106.265	09/04/2000
WW009	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	106.183	09/04/2000
BLR36071-2/EC001	106.183	09/04/2000
BLR36071-3/EC001	106.183	09/04/2000
BLR36071-4/EC001	106.183	09/04/2000
HH001	106.265	09/04/2000
CT001	106.371	03/07/2003
CT002	106.371	09/04/2000
ST012	106.412	09/04/2000
SP001	106.418	11/26/1997
ARO00	106.433	09/04/2000
SU002	106.454	03/14/1997
ST014	106.472	09/04/2000
ST016	106.473	09/04/2000

~~ET001~~	~~106.263~~	~~08/29/2006~~
~~ET003~~	~~106.263~~	~~08/29/2006~~
~~IC001-14~~	~~106.511~~	~~03/07/2003~~
~~IC001-16~~	~~106.511~~	~~03/07/2003~~
~~IC001-5~~	~~106.511~~	~~03/07/2003~~
~~IC001-51~~	~~106.511~~	~~03/07/2003~~
IC001-56	106.511	03/07/2003
IC001-65	106.511	03/07/2003
IC001-68	106.511	03/07/2003
IC001-8	106.511	03/07/2003
IC001-82	106.511	03/05/2021
IC001-85	106.511	09/04/2000
IC001-86	106.511	09/04/2000
IC002-1	106.511	03/07/2003
IC002-15	106.511	03/07/2003
IC002-3	106.511	03/07/2003
IC002-4	106.511	03/07/2003
IC002-5	106.511	03/07/2003
IC002-6	106.511	09/04/2000
IC002-7	106.511	03/07/2003
IC002-8	106.511	03/07/2003

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IC002-9	106.511	03/07/2003
IC003-10	106.511	03/07/2003
IC003-11	106.511	03/07/2003
IC003-1	106.511	03/07/2003
IC003-5	106.511	09/04/2000
IC003-6	106.511	03/07/2003
IC003-7	106.511	03/07/2003
IC003-8	106.511	03/07/2003
IC003-9	106.511	03/07/2003
MO011	106.262	11/01/2003
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
SC011	106.433	03/14/1997
SC021	106.433	05/19/2015
ST003A	106.412	03/14/1997
SU001	106.454	04/01/2002
SU003	106.261	09/11/2002
~~Brake Repair Downdraft Table~~BR001	106.261 & 106.262	08/04/2005
~~MO007~~	~~106.261 & 106.262~~	~~11/04/2011~~
~~Aerosol Can Crusher~~	~~106.261 & 106.262~~	~~08/11/2017~~

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Permit By Rule Supplemental Table (Page 3)

Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
AB001	106.452	107747	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). Any abrasive cleaning operation that will satisfy paragraph (1) or (2) of this section is permitted by rule: (1) enclosed abrasive cleaning: (A) the particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning; and (B) there are no visible fugitive emissions from the facility. (2) outside blast cleaning: (A) abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and one ton per day; and (B) the blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and (C) records shall be maintained of operating hours and abrasive material usage; and (D) before construction begins, the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and (E) before construction of the facility begins, written site approval shall be received from the executive director.
CT001	106.371	54052	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

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EC002	106.495	52124	Maintain a copy of Section 106.4 and Section 106.495, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.495, the following conditions are met: (1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. (2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator. (3) The combustible material shall contain no halogenated organic compounds. (4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater. (5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period. (6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions. (7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power. (8) The emission of any air contaminant shall not exceed 0.5 pounds per Hour and 2.0 tons per year. Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6

			EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4 EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5

~~EC002~~	~~106.495~~	~~52888~~	~~Maintain a copy of Section 106.4 and Section 106.495, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.495, the following conditions are met:~~ ~~(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.~~ ~~(2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator.~~ ~~(3) The combustible material shall contain no halogenated organic compounds.~~ ~~(4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater.~~ ~~(5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period.~~ ~~(6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions.~~ ~~(7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power.~~ ~~(8) The emission of any air contaminant shall not exceed 0.5 pounds per Hour and 2.0 tons per year.~~ ~~Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein.~~ ~~The calculation formula for emissions is either:~~ ~~Natural Gas Consumption * Emission Factor, or~~ ~~Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor.~~ ~~Where:~~ ~~Heat Content of Natural Gas is 1,030 Btu per cubic foot,~~ ~~Natural Gas Consumption is monitored via a natural gas meter on the unit.~~ ~~Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5:~~ ~~EF for Ethylbenzene = 0.0069~~ ~~EF for P-Dichlorobenzene = 0.0012~~ ~~EF for Acrolein = 0.0027~~ ~~EF for Toluene = 0.0265~~ ~~EF for N-Hexane = 0.0046~~ ~~EF for Anthracene = 2.40E-6~~ ~~EF for Pyrene = 5.0E-6~~ ~~EF for Benzo(GHI)Perylene = 1.6E-6~~ ~~EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6~~ ~~EF for Benzo[B]Fluoranthene = 1.8E-6~~ ~~EF for Fluoranthene = 3.0E-6~~ ~~EF for Benzo[K]Fluoranthene = 1.8E-6~~

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ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51

			EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5

			EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-14	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-16	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-17	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

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IC001-19	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-32	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-33	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-34	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-35	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-37	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-42	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-51	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-56	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-64	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-65	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-68	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-82	106.511	164083	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-85	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-86	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-15	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-3	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-4	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-10	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-11	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-2	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

MO011	106.262	81233	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6

			EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7 EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Maintain a copy of Section 106.4, 106.533, and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
SC016	113	30861	Maintain a copy of Standard Exemption 113 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of resin and acetone usage in pounds on a monthly and calendar year-to-date basis, and maintain these records on a calendar year basis with a two-year rolling retention period. For spraying operations, no more than 75 tons of resin and gelcoat combined, and 0.75 tons of acetone shall be used per year. For non-spraying operations, no more than 150 tons of resin and gelcoat combined and 1.5 tons of acetone shall be used per year.

SC021	106.433	13851	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information
ST001A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001B	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST001C	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST002A	51	24583	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

ST003A	106.412	24583	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
MO007	106.261, 106.262	98846	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
MO007	106.261, 106.262	147753	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
ARO28	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO29	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

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ARO30	41	11/25/1985	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO31	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO32	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO33	41	11/05/1986	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO34	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

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ARO35	46	05/08/1972	Maintain a copy of Standard Exemption 46 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO36	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO37	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO38	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO39	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr

ARO42	107	05/04/1994	Maintain a copy of Standard Exemption 107 to ensure that equipment is installed and operated in accordance with all applicable requirements. Records shall be kept on a monthly basis of total solvent makeup (gross usage minus waste disposal). (6) Total solvent makeup shall not exceed the following: (A) Chlorinated solvents - 660 gallons/yr (B) All other solvents - 1,500 gallons/yr
ARO65	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO66	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO67	70	06/07/1996	Maintain a copy of Standard Exemption 70 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO68	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO69	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO70	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO71	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO72	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO73	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO74	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO75	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO76	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO77	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);
ARO78	41	06/07/1996	Maintain a copy of Standard Exemption 41 to ensure that equipment is installed and operated in accordance with all applicable requirements. Actual emissions from the proposed facility shall not exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant; and, if total emissions from the property where the proposed facility is to be located will exceed 250 tons per year of carbon monoxide or nitrogen oxides or 25 tons per year of any other air contaminant, at least one facility at such property has been subject to public notification and comment as required by §116.10 of this title (relating to Public Notification and Comment Procedure) or §116.7 of this title (relating to Special Permits);

ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO82	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO83	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO84	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO86	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO87	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO90	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

EC002	106.183	09/04/2000	Maintain a copy of Section 106.4 and Section 106.183, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6 EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4

			EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5
FS011A	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
FS018A	51	11/05/1986	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-22	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-30	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-36	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-43	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-44	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-46	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-47	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-48	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-49	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-50	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-53	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-54	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-55	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-57	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-58	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-59	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-60	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-61	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-62	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-66	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-67	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-69	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-70	106.511	~~106.511~~09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these ~~regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the~~ 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

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IC001-71	~~09/04/2000~~106.511	~~106.511~~09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-72	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-74	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-75	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-76	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-77	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-78	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-79	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-81	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-83	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-84	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-87	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-88	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-9	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-11	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-12	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

~~IC001-54~~ IC002-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-19	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-20	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

~~IC003-22~~ IC-DF90140	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-23	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

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IC003-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-26	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-27	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC004-1	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR001	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

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LR003	106, 14, 51	10/04/1995, 10/04/1995, 10/04/1995	Maintain a copy of Standard Exemption 14, 51, and 106 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51 and 106.
MO001	110	09/12/1989	Maintain a copy of Standard Exemption 110 to ensure that equipment is installed and operated in accordance with all applicable requirements.

CLosSC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST004A	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST004B	51	09/23/1982	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005A	51	10/04/1995	Maintain a copy of Standard Exemption 51 to ensure that equipment is installed and operated in accordance with all applicable requirements. Maintain records of liquids loaded and unloaded from railcars, tank trucks, or drums to ensure that no visible emissions result from activities related to the list of liquids provided in Standard Exemption 51.
ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW008	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
~~ST009E~~	~~106.472~~	~~09/04/2000~~	~~Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.~~
~~ST009F~~	~~106.472~~	~~09/04/2000~~	~~Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.~~

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WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6

WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

~~Brake Repair Downdraft Table~~BR001	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.
~~MO007~~	~~106.261 & 106.262~~	~~11/04/2011~~	~~Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers.~~ ~~NUMBER OF CANS*OUNCES/CAN*VOC CONTENT~~ ~~Where~~ ~~The number of cans is recorded with date and time by DPW ENV.~~ ~~The VOC content is taken from the SDS~~
~~Aerosol Can Crusher~~	~~106.261 & 106.262~~	~~08/11/2017~~	~~Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers.~~ ~~NUMBER OF CANS*OUNCES/CAN*VOC CONTENT~~ ~~Where~~ ~~The number of cans is recorded with date and time by DPW ENV.~~ ~~The VOC content is taken from the SDS~~

Commented [JT17]: TCEQ stated this is not a valid unit ID. Does this have a unit ID?

Commented [JT18R17]: BR001 will this suffice for a Unit ID?

Commented [WC19R17]: Changed to BR001

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From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, March 10, 2025 2:53 PM
To: John Walker; Jim Timmons
Cc: Will Calderon; Nick Steinke
Subject: Re: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Walker,
Regarding the address issue, please try the following address below.
I am not sure why the address that has been used stopped working, but systems do change.

The following is the address to the Mail Distro office of DPW.

1225 Engineer Drive, Bldg. 4612
USAG Fort Cavazos, Texas 76544-5028

Michael Clark
Air Quality & Operational Noise Program Manager
DPW Environmental Management Branch (AMIM-CAP-E)
Bldg. 4622, Engineer Drive, Room 137
Map: 1388 Engineer Dr, Fort Cavazos, TX 76544
Fort Cavazos, TX
Office: 254-287-8714
Cell: 254-319-0192
michael.n.clark.civ@army.mil

From: John Walker
Sent: Friday, March 7, 2025 9:46 AM
To: Clark, Michael N CIV USARMY ID-READINESS (USA); Jim Timmons
Cc: Will Calderon; Nick Steinke
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Good Morning,

There is one more item that was brought to my attention by APIRT. The address provided for Mr. Micheal Clark as both the Technical Contact and Public Notice contact on Form OP-1 is not a valid USPS address. Can you please provide a valid USPS address for Mr. Michael Clark along with the other requested updates.

Please let me know if you have any questions

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

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From: Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>
Sent: Monday, March 3, 2025 6:12 AM
To: John Walker <John.Walker@tceq.texas.gov>; Jim Timmons <jtimmons@olsson.com>
Cc: Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Good morning Mr. Walker,
I have received and will start my review and will work with Mr. Timmons and the team to ensure we get any comments back to you prior to 14 March.

Respectfully,

Michael Clark
Air Quality & Operational Noise Program Manager
DPW Environmental Management Branch (AMIM-CAP-E)
Bldg. 4622, Engineer Drive, Room 137
Map: 1388 Engineer Dr, Fort Cavazos, TX 76544
Fort Cavazos, TX
Office: 254-287-8714
Cell: 254-319-0192
michael.n.clark.civ@army.mil

From:	John Walker
Sent:	Saturday, March 1, 2025 3:32 PM
To:	Jim Timmons
Cc:	Will Calderon; Clark, Michael N CIV USARMY ID-READINESS (USA); Nick Steinke
Subject:	RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos
Attachments:	20250301 Working Draft Permit_FOP O1659_Project 33269.docx; 01-10-2025_OP-REQ1 Pages 87 and 88_JWalker Comments.docx; 01-10-2025_OP-UA3_JWalker comments.docx; 01-10-2025_OP-SUMR_Jwalker comments.docx

Good Afternoon,

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application and any updates provided.

Please note that note that I have added PBR Registration 54052 as a preconstruction authorization to all the requested units. I will present this information to my management after you approve the Working Draft Permit.

The permit contains all changes requested to date.

Please review the WDP and submit to me any comments you have regarding it by 03/14/2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments. Since this is a follow-up review to the previously submitted and reviewed WDP, only comments concerning changes since the last WDP may be considered by TCEQ. Any comments outside the scope of the most recent changes should be submitted as a separate project. Please provide the requested information below by **03/14/2025**:

1. Please see my comments on the attached Form OP-REQ1 and provide the requested information. Please note there is one PBR in the WDP that must be corrected.

2. Please see my comments on Form OP-SUMR.

3. Please see my comments on Form OP-UA3. Please update the form for your records, you do not need to resubmit it.

4. I did not add units provided on OP-UA13 for MACT Q applicability because the site is not major for HAPS.

5. I removed permit shields for NSPS Kb for Units IDs FS011A, FS011B, FS011C, and ST001C due to NSPS Kb applicable requirements being provided on Form OP-UA3 and now being documented in the WDP.

6. Please provide an updated Form OP-PBRSUP. I noticed several deficiencies on Form OP-PBRSUP such as claimed PBRs being documented on Table A, which is for Registered PBRs.

   What is important is that the information provided on Forms OP-REQ1, OP-2, and OP-SUMR, in regard to PBRs and SEs is consistent. Then that information should be documented on Form OP-PBRSUP. Essentially, any PBRs/SEs documented in the Title V permit should be documented on Form OP-PBRSUP, however there are a few exceptions which are documented in the Form Instructions. There are also instances in which units not in the Title V permit should be documented on Form OP-PBRSUP as well, since Form OP-PBRSUP is for all PBRs utilized at a site. The Unit ID on Form OP-PBRSUP should match what is in the Title V Permit. If a unit is not documented in the Title V permit, the Unit ID should be the EPN from the PBR/NSR registration or however else the unit may be documented/referenced.

   All Registered PBRs/SEs should be provided on Table A and D.
   All claimed PBRs/SEs should be provided on Table B and D.
   All PBRs/SEs for insignificant sources should be provided on Table C.

   If you have any questions on this, please contact me.

7. On the updated Form OP-1 provided, a new RO was documented. Please submit Form OP-CRO2 in STEERS signed by the new RO.

   This needs to be signed and submitted in STEERS by the new RO. My office is currently under construction and I have limited access to my mailbox. If you have any questions on how to submit an update in STEERS, please contact me.

8. I have seen emails recently in regard to PBR Registration 54052 from Chad Reynolds of American Water to Brandon Marsh of TCEQ that were dated 01/24/2025. Brandon Marash is not the correct contact for American Water to contact for PBR Registrations. He should be contacting Rules Registration.

   Are the PBR Registration 54052 changes currently being made?

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1. This form will be requested at a later date.

If you choose to submit your application updates through STEERS, please notify me when these updates have been submitted.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

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Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS021A	60Kb-1	GASTN	10K-20K	~~IFR~~NONE	2.2-	NONE~~3~~				
FS022A	60Kb-1	PTLQ-3	10K-20K	~~IFR~~NONE	2.2-	NONE~~3~~				
~~ST001A~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001B~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001C~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-	NONE				
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-	NONE				
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-	NONE				
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-	NONE				
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-	NONE				
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS011A	60Kb-1	PTLQ-3	40K+	IFR	0.5-	IFR-VP		FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR	0.5-	IFR-VP		FLOAT		

Commented [JW1]: "NONE" was not the correct code but "NONE3" was for Storage Vessel Capacity. Please update Form OP-UA3 for your records.

Commented [JW2]: For units with 10-20k Storage Capacity, additional codes were not required per the form instructions. Please update Form OP-UA3 for your records as these codes may be removed from the table.

Commented [MC3]: MAX TVP: I added the 2.2- or 0.5- off of the tank size and the VP from the SDS and the codes listed in the Form OP-UA3 Storage Tank/Vessel Attributes

Commented [MC4]: FS021A and FS022A is a Split HFR tank so changed to NONE

Commented [JW5]: This unit is in GRPTANK8. You should list GRPTANK8 instead of the unit, unless the unit is not part of a GRPTANK8. I have left the requirements as there is no change.

Additionally for units with a Tank Capacity of 20K-40K, WW Tank Control NONE, and Maximum TVP, additional codes are not required per the form instructions.

Please update Form OP-UA3 for your records.

Commented [JW6]: Tanks with a storage capacity of 10k- do not need additional codes after storage capacity per the form instructions. Please update Form OP-UA3 for your records.

FS011C	60Kb-1	PTLQ-3	40K+	IFR	0.5-	IFR-VP		FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE~~3~~	0.5	NONE		~~NONE~~		
ST001B	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE~~3~~	0.5	NONE		~~NONE~~		
ST001C	60Kb-1	PTLQ-3	40K+	IFR	0.5	IFR-VP		FLOAT		

Commented [JW7]: Additonal codes are not required for Tanks with a Storage Capacity of 40K+, WW Tank Control NONE, and Maximum TVP of 0.5. Please update Form OP-UA3 for your records.

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
D	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

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D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE FCFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

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D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE FCFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

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D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

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A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

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A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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A	100	IC002-17	OP-UA2	WFC SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
D	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
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D	111	IC004-1	OP-UA2	4SLB ENGINE FCFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE FCFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE YDAHP BLDG 7004		106.512/06/13/2001[54052]	

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1/10/2025	O1659	RN101612083

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	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		(24538)	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		(24538)	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		(24538)	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		(24538)	
A	137	SC016	OP-UA1	COMPOSITE SITE OPERATIONS		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW1]: For Unit IDs SC004, SC005, SC006, and SC007 (revision items 121, 123, 125, and 127), PBR Registration No. 24538 was provided however there is no PBR Registration No. 24538. There is a NSR permit 24538. I have left the preconstruction authorization as NSR 24538.

Should PBR 106.433 also be documented as a preconstruction authorization for these units? Please look at the OP-SUM excel sheet because the other SC* units also have NSR 24538 documented as a PCA, though some have PBR 106.433.

Commented [JT2R1]: This should be in format referring to NSR 24538.

Commented [JW3R1]: updated

Commented [JW4]: There is no revision 137 on the April 15, 2024 OP-2. I believe this was changed at another date. I am unsure of where this unit came from.

Commented [JT5R4]: Revision 137 on OP-2 corrected to show SC016.

Commented [JW6R4]: So revision 137 on Form OP-2 states to rename Unit ID WW002 as SC016.

This means that WW002 no longer exists. All other instances of WW002 should be removed from this form such as Revisions 138 and 158 on Tables 1 and 2 on Form OP-SUMR. I have also removed the Unit from GRP-WW

The effective Form is OP-UA1 but should it be OP-REQ2 and retain the permit shields that were added with WW002? This is how it is now displayed in the permit.

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	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW7]: Description goes over character limit. Kept "DS2", which also matches WW005 in revision item 153.0

Commented [JT8R7]: Could we use "AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731" ?

Commented [JW9R7]: Update made

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A	139	IC003-27	OP-UA2	NFC EOC BLDG 56506		106.511/09/04/2000[54052]	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000/[54052]	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000/[54052]	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		106.511/09/04/2000/[54052]	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		106.534/09/12/1989[1866]	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		106.262/05/31/2007/[81875, 83515]	
D	151	BOILER11	OP-UA6	STEAM BOILERS		106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		106.265/09/04/2000	

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER ~~OPERATIONS~~	106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036	106.495/11/02/2002[52888]	
A	153	ET001	OP-UA1	JET ENGINE TESTING	106.263/11/01/2001 [79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING	106.263/11/01/2001 [79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015	106.511/09/04/2000 [54052]	
A	153	IC001-51	OP-UA2	DIESEL ENGINE LRC ADMIN BLDG 89010	106.511/09/04/2000 [54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251	106.511/09/04/2000 [54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067	106.511/09/04/2000 [54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022	106.511/09/04/2000 [54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, F~~H~~C CMNI, BLDG 90500	106.511/09/04/2000 [54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR	106.511/03/05/2021[164083]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095	106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087	106.511/09/04/2000[54052]	
	153	IC002-1	OP-UA2	~~COLD STORAGE~~ DIESEL IC EQUIPMENT > 600HP~~, BLDG 89100A~~	106.511/09/04/2000 [54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13	106.511/09/04/2000 [54052]	

Commented [JW10]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JT11R10]: Filled out OP-UA13 for this group of cooling towers.

Commented [JW12R10]: This unit was not added since the site is not documented as a Major Source of HAPS.

Commented [JW13]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JW14]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT15R14]: Version No./Date corrected to 09/04/2000.

Commented [JW16]: This description goes over the character limit. I have left it as "DIESEL IC EQUIPMENT > 600HP"

Commented [JT17R16]: "DIESEL IC EQUIPMENT > 600HP" will work for this source.

Commented [JW18R16]: updated

	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 [54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012	106.511/09/04/2000 [54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001	106.511/09/04/2000 [54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001	106.511/09/04/2000 [54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001	106.511/09/04/2000 [54052]	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078	106.511/09/04/2000 [54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612	106.511/09/04/2000 [54052]	
	153	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016	106.511/09/04/2000 [54052]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS	106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS	106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS	106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS	106.533/07/04/2004 [41479]	
	153	MO006	OP-UA4	FUEL TANKER CLEANING OPERATIONS-BLDG 1949	106.262/11/01/2003 [76961]	

Commented [JW19]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm-

Commented [JT20R19]: Version No./Date corrected to 09/04/2000.

Commented [JW21R19]: updated

	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060	106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041	106.433/09/04/2000 [131851]	
	153	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	153	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	153	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	153	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	51/11/05/1986	
	153	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A	106.412/03/14/1997	
	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949	106.261/09/11/2002[52124]	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707	70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708	70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027	70/06/07/1996	
	~~153~~	~~EC002~~	~~OP-UA1~~	~~SITE WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR~~	~~106.183/09/04/2000~~	
	153	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997	
	153	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997	

Commented [JW22]: EC002 is a Group ID. I believe it should be removed from Table 1 as Table 1 is for individual units.

	153	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	153	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	153	FS018A	OP-UA3	LRC TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	FS018	OP-UA4	LRC FUELING STATION - BIODIESEL		106.412/09/04/2000	
	153	FS019A	OP-UA3	LRC FUELING STATION E-85 STORAGE TANK A		106.472/09/04/2000	
	153	FS019	OP-UA4	LRC FUELING STATION - E-85 GASOLINE		106.412/09/04/2000	
	153	FS020	OP-UA4	NFC FUELING STATION		106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION		106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION		106.412/09/04/2000	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-WFC CLARK GATE BLDG 70017		106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		106.511/09/04/2000[54052]	
	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		106.511/09/04/2000[54052]	
	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		106.511/09/04/2000[54052]	

	153	IC001-43	OP-UA2	DIESEL ENGINE FCFD - STATION 1 BLDG 23024	106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155	106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083	106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309	106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401	106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159	106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE LRC MAINFRAME BLDG 88037	106.511/09/04/2000[54052]	
	~~153~~	~~IC001-5455~~	~~OP-UA2~~	~~DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758~~	~~106.511/09/04/2000[54052]~~	
	153	IC001-55	OP-UA2	DIESEL ENGINE FCFD STATION 4 BLDG 56517	106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177	106.511/09/04/2000[54052]	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE	106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024	106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055	106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040	106.511/09/04/2000[54052]	

Commented [JW23]: Unit ID no longer exists and was changed to IC002-18

Commented [JT24R23]: Changed to IC001-55

Commented [JW25R23]: I believe this line should be removed since IC001-55 is already in the line below.

	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670	106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154	106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149	106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052	106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904	106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014	106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060	106.511/09/04/2000[54052]	
A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624	106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440	106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410	106.511/09/04/2000[54052]	
A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435	106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010	106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176	106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012	106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #1	106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #2	106.511/09/04/2000[54052]	

	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #3		106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #4		106.511/09/04/2000[54052]	
	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	WFC SCIF BLDG 90087		106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE FCFD - RGAAF BLDG 90145		106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048		106.511/09/04/2000[54052]	
	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031		106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		106.511/09/04/2000[54052]	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	

A	153	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997	106.511/09/04/2000[54052]	
A	153	IC003-27	OP-UA2	NFC EOC BLDG 56506	106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016	106.511/09/04/2000[54052]	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072	106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159	106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339	106.511/09/04/2000[54052]	
	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK	106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS	106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS	106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS	106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A	51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B	51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A	51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B	106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C	106.412/09/04/2000	
	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E	106.472/03/14/1997	

	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F		106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G		106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I		106.412/09/04/2000, 106.472/09/04/2000	
	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C		106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D		106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E		106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A		106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B		106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C		106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D		106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E		106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F		106.412/09/04/2000	
	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G		106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B		106.472/09/04/2000	

	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C		106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D		106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E		106.472/09/04/2000	
	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F		106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G		106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H		106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I		106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J		106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K		106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L		106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M		106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N		106.472/09/04/2000	
	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O		106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P		106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q		106.472/09/04/2000	

	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S		106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T		106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U		106.472/09/04/2000	
	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V		106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W		106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C		106.472/09/04/2000	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	

	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731	106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071	106.183/09/04/2000	
A	153	AB001	OP-UA57	Abrasive Blasting Room	106.452/02/26/2013[107747]	
~~A~~	~~153~~	~~Brake Repair Downdraft Table~~	~~OP-UA1~~	~~Asbestos Brake Repair and Welding~~	~~106.261/08/04/2005[70022], 106.262/08/04/2005[70022]~~	
~~A~~	~~153~~	~~MO007~~	~~OP-UA1~~	~~Can Crusher~~	~~106.261/11/04/2011[98846], 106.262/11/04/2011[98846]~~	
~~A~~	~~153~~	~~Aerosol Can Crusher~~	~~OP-UA1~~	~~Can Crusher~~	~~106.261/08/11/2017[147753], 106.262/08/11/2017[147753]~~	
~~A~~	~~154~~	~~CT001~~	~~OP-UA13~~	~~SITE-WIDE COOLING TOWER OPERATIONS~~	~~106.371/03/07/2003[54052]~~	
D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A	§106.472/09/04/2000	

Commented [JW26]: This unit was previously removed from permit. See comments for SU001

Commented [JW27]: Not a valid unit ID. Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements?

Commented [JT28R27]: This unit is being removed. Added to PBRSUP.

Commented [JW29]: Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT30R29]: Added to PBRSUP.

Commented [JT31R29]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for them, we can call them CC001 and CC002."

Mr. Walker, would this suffice?

Commented [JW32R29]: The Units should match EPNs if in a NSR/PBR Registration permit only or it should match Unit IDs from the Title V permit (if they are documented in the Title V permit).

Requesting to be removed if not documented in the Title V permit.

Commented [JW33]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT34R33]: Added to OP-PBRSUP.

Commented [JT35R33]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for each of them, we can call them CC001 and CC002."

Mr. Walker, would this suffice?

Commented [JW36R33]: See comment above.

Commented [JW37]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT38R37]: CT001 is on OP-PBRSUP.

Commented [JW39R37]: See note above in regard to being major for HAPS for MACT Q applicability. Requesting to be removed from Form OP-SUMR if not documented in the Title V permit.

D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B	§106.412/09/04/2000	
	157	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	157	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	157	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	157	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997	
	157	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997	
	157	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997	
	158	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	158	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	158	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	158	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997	
	158	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997	
	158	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997	106.511/09/04/2000[54052]	
	158	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016	106.511/03/07/2003[54052]	
	158	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	51/11/05/1986	

	158	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A	106.412/03/14/1997	
	158	FS011	OP-UA4	YDAHP F-24 FUELING STATION	106.412/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997	106.511/09/04/2000[54052]	
D	159	IC001-61	OP-UA2	Fire Pump #2	106.511/09/04/2000[54052]	
D	160	IC001-62	OP-UA2	Fire Pump #3	106.511/09/04/2000[54052]	
A	161	IC001-91	OP-UA2	FCF – Station 5	106.511/09/04/2000[54052]	
A	162	IC001-92	OP-UA2	Granger Lake Radar	106.511/09/04/2000[54052]	
A	163	IC001-93	OP-UA2	Fire Pump #3	106.511/09/04/2000[54052]	
A	164	IC001-94	OP-UA2	Fire Pump #2	106.511/09/04/2000[54052]	
A	165	IC001-95	OP-UA2	Crittenberger Range	106.511/09/04/2000[54052]	
D	166	IC003-5	OP-UA2	NEC RSC #5 North	106.511/09/04/2000[54052]	
D	167	IC003-6	OP-UA2	NEC RSC #2	106.511/09/04/2000[54052]	
D	168	IC003-9	OP-UA2	NEC RSC #3	106.511/09/04/2000[54052]	
D	169	IC003-10	OP-UA2	NEC RSC#1	106.511/09/04/2000[54052]	
A	170	IC003-29	OP-UA2	NEC RSC #5 North	106.511/09/04/2000[164083]	
A	171	IC003-30	OP-UA2	NEC RSC #2	106.511/09/04/2000[164083]	
A	172	IC003-31	OP-UA2	NEC RSC#1	106.511/09/04/2000[164083]	
A	173	IC003-32	OP-UA2	NEC RSC #3	106.511/09/04/2000[164083]	
A	174	IC003-33	OP-UA2	NEC RSC #6	106.511/09/04/2000[164083]	
A	175	IC003-34	OP-UA2	NEC RSC #7	106.511/09/04/2000[164083]	

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A	176	IC006-1	OP-UA2	BLORA Paintball Course	106.512/06/13/2001[54052]	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-UA2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
157	FS011A	OP-UA3	D	GRPTANK9
157	FS011B	OP-UA3	D	GRPTANK9
157	FS011C	OP-UA3	D	GRPTANK9
157	ST001A	OP-UA3	D	GRPTANK9
157	ST001B	OP-UA3	D	GRPTANK9
157	ST001C	OP-UA3	D	GRPTANK9

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
1/10/2025	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 87

XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: N/A	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.: N/A	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 24538	Issuance Date: 2/28/2019	Authorization No.:	Issuance Date:
Authorization No.: 88412	Issuance Date: 7/17/2019	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.183	Version No./Date: 06/18/1997
PBR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.231	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 09/11/2002
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 03/14/1997
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 09/09/1998
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.313	Version No./Date: 09/04/2000
PBR No.: 106.371	Version No./Date: 09/04/2000
PBR No: 106.412	Version No./Date: 03/14/1997
PBR No: 106.412	Version No./Date: 09/04/2000
PBR No: 106.418	Version No./Date: 11/26/1997
PBR No: 106.433	Version No./Date: 03/14/1997
PBR No: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 03/14/1997
	[Intentionally left blank]

Commented [JT1]: Added to this form due to SU003 on OP-SUMR Preconstruction Authorization: 106.261/09/11/2002[52124].

Commented [JW2R1]: 09/11/2002 is not a valid Version No./Effective Date for PBR 106.261 per the Texas Administrative Code Chapter 106. The date should be either 03/14/1997, 12/24/1998, 09/04/2000, or 11/01/2003. 09/11/2002 seems to be the Registration Date for PBR Registration 52124.

Since the PBR is already added with the effective date 11/01/2003, I have left it as 11/01/2003 unless there is a different Version No./Effective Date for PBR Registration 52124. Please confirm.

Commented [JW3]: This should be removed per your comment on the Working Draft Permit where you confirmed the Correct Effective date is 11/01/2001.

Commented [JW4]: This is not a valid Version No./Effective Date. Per the Texas Administrative Code Chapter 106, the date should be 03/14/1997, 07/08/1998, or 09/04/2000. Please confirm the correct date.

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.495	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.533	Version No./Date: 07/04/2004
PBR No.: 106.533	Version No./Date: 11/01/2001
PBR No.: 14	Version No./Date: 10/04/1995
PBR No.: 41	Version No./Date: 11/25/1985
PBR No.: 41	Version No./Date: 11/05/1986
PBR No.: 41	Version No./Date: 06/07/1996
PBR No.: 46	Version No./Date: 05/08/1972
PBR No.: 51	Version No./Date: 09/23/1982
PBR No.: 51	Version No./Date: 11/05/1986
PBR No.: 51	Version No./Date: 10/04/1995
PBR No.: 51	Version No./Date: 06/07/1996
PBR No.: 70	Version No./Date: 11/25/1985
PBR No.: 70	Version No./Date: 11/05/1986
PBR No.: 70	Version No./Date: 07/20/1992
PBR No.: 70	Version No./Date: 06/07/1996
PBR No.: 75	Version No./Date: 04/05/1995
	[Intentionally left blank]

Commented [JW5]: This is not a valid Version No./Effective Date. Per the Texas Administrative Code Chapter 106, there is only one date and that is 07/04/2004. Since that date is already documented in the entry above, I have removed this from the permit. You should also remove this entry from Form OP-REQ1.

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 75	Version No./Date: 06/07/1996
PBR No.: 80	Version No./Date: 12/01/1972
PBR No.: 80	Version No./Date: 09/17/1973
PBR No.: 80	Version No./Date: 01/08/1980
PBR No.: 80	Version No./Date: 09/23/1982
PBR No.: 80	Version No./Date: 06/07/1996
PBR No.: 86	Version No./Date: 10/04/1995
PBR No.: 89	Version No./Date: 05/04/1994
PBR No.: 102	Version No./Date: 05/04/1994
PBR No.: 106	Version No./Date: 10/04/1995
PBR No.: 107	Version No./Date: 05/04/1994
PBR No.: 107	Version No./Date: 06/07/1996
PBR No.: 110	Version No./Date: 09/12/1989
PBR No.: 113	Version No./Date: 10/04/1995
PBR No.: 124	Version No./Date: 05/04/1994
PBR No.: 124	Version No./Date: 06/07/1996

♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

From: Jim Timmons <jtimmons@olsson.com>
Sent: Friday, January 17, 2025 4:15 PM
To: John Walker
Cc: Will Calderon; Clark, Michael N CIV USARMY ID-READINESS (USA); Nick Steinke
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Thanks for your quick response. I look forward to speaking with you next Friday.

Thanks,

Jim L. Timmons
Project Scientist / Environmental
C 515.867.2767

1717 Ingersoll Avenue, Suite 111
Des Moines, IA 50309
O 515.331.6517

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Friday, January 17, 2025 3:16 PM
To: Jim Timmons <jtimmons@olsson.com>
Cc: Will Calderon <wcalderon@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Nick Steinke <nsteinke@olsson.com>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

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This message came from outside your organization. Please take care when clicking links or opening attachments. When in doubt, use the Report Phish button or contact IT to have the message analyzed.

Good Afternoon,

Thank you for the submittal. I am available for a meeting anytime on Friday 01/24/2024. I would schedule earlier in the week but we might have some severe weather that could impact services.

Please let me know if you have additional questions.

Sincerely,

John Walker

Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Jim Timmons <jtimmons@olsson.com>
Sent: Friday, January 17, 2025 12:25 PM
To: John Walker
Cc: Will Calderon; Clark, Michael N CIV USARMY ID-READINESS (USA); Nick Steinke
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos
Attachments: OP-1.docx; 01-10-2025_ OP-PBRSUP.docx; 01-10-2025_OP-2.docx; 01-10-2025_OP-REQ1 Pages 87 and 88.docx; 01-10-2025_OP-SUMR.docx; 01-10-2025_OP-UA3.docx; 01-10-2025_OP-UA13.docx; 20241121 Working Draft Permit_FOP O1659_Project 33269.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Mr. Walker,

See revised forms attached. Could we set a meeting with you sometime next week on the morning of Tuesday or Wednesday or any time on Friday to discuss these forms? Please let us know what works best for you.

1. Please provide Form OP-UA3 Table 3 for NSPS Kb applicability for Unit IDs ST001A and ST001B. The code "NONE3" was provided for WW TANK Control. "NONE3" is not a valid code but "NONE" is. Was the code "NONE" the intended code? Please confirm.

   Correct. "NONE" was intended here.

2. If the code is intended to be "NONE", additional codes are required per the Form OP-UA3 Table 3 instructions. A code is required for Maximum TVP and additional codes may be required for Storage vessel description and AMEL ID. No. per the Form OP-UA Form Instructions. I have attached the most recently provided OP-UA3 for reference.

   OP-UA3 attached.

   Completed "Maximum TVP" for storage vessels where "Storage Capacity" is "20K-40K" or "40K+" or "420K+".
   Completed "Storage Vessel Description" for storage vessels where "WW Tank Control" is "NONE", "IFR", or "EFR."
   Completed "Guidepole" for storage vessels where "WW Tank Control" is "IFR".

3. Please review my comments on the WDP. I believe Form OP-REQ1 Page 88 for PBRs should be provided to correct the Version No./Date of a PBR. This update should also occur on Form OP-SUMR and OP-2.

   WDP attached.
   Form OP-REQ1 Page 88 attached.
   OP-2 attached.

4. Please review my comments on the most recent Form OP-SUMR provided (04/15/2024). There were many inconsistencies provided on the Form. Please review my comments and make any necessary corrections. If any additional changes are needed, please provide the appropriate forms. I would ensure that the most recent OP-2 and OP-SUMR are consistent. It seems that changes that occurred throughout the life of the project were not reflected on Form OP-SUMR and outdated information was provided. Please review my comments and confirm. If you have any questions about my comments, please contact me.

   OP-SUMR attached.
   OP-UA13 attached.

5. Please provide an updated Form OP-1 Section VII. for updating the Technical Contact Identifying Information. Based on prior discussions with Mr. Michael Clark, Mr. Clark has replaced Mr. Robert Kennedy as the technical contact.

   OP-1 attached.

6. If there are any changes required to Form OP-PBRSUP based on changes made to Form OP-SUMR or any other form, please provide them. I believe we are still waiting on the Form OP-PBRSUP that was requested in my 03/18/2024 email.

   Please ensure that Form OP-PBRSUP is filled out correctly. Any units within the Title V permit that have a PBR as a PCA should be identified on Form OP-PBRSUP. However, there may be many units provided on Form OP-PBRSUP that are not documented in the Title V permit because they have no Title V requirements. Form OP-PBRSUP is a supplemental form for all PBRs used. That said, if there are units on Form OP-PBRSUP that are not documented in the Title V permit because they don't have Title V requirements, that is perfectly normal. In fact, those units should not be documented on any Title V forms (Forms OP-2, OP-SUMR, etc.), however, if you want them documented on Form OP-2 that is fine. One revision line item stating you are adding units to Form OP-PBRSUP is acceptable.

   Updated OP-PBRSUP form attached.

7. Please provide a status update for the ongoing resolution of issues identified with PBR Registration No. 54052.

   Michael Clark has reached out to American Water. We have had trouble connecting with them. We will keep reaching out to them. This would be one of the items we would like to discuss with TCEQ on a call.
   Our request for American Water is straight-forward: American Water should be able to revise their PBR 54052 within STEERS without needing to sort out their Core Data Form entry with the Central Registry. Their login and revision request for that PBR is necessary for Fort Cavazos's Title V renewal.

Please let us know if you need anything else.

Thank you,

Jim L. Timmons
Project Scientist / Environmental
C 515.867.2767
1717 Ingersoll Avenue, Suite 111
Des Moines, IA 50309
O 515.331.6517

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Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 1)
Texas Commission on Environmental Quality

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air-Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I.	**Company Identifying Information**
A.	Company Name: U.S. Department of the Army
B.	Customer Reference Number (CN): **CN600126262**
C.	Submittal Date *(mm/dd/yyyy)*:
II.	**Site Information**
A.	Site Name: Fort Cavazos
B.	Regulated Entity Reference Number (RN): **RN101612083**
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A	
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*
☒ VOC ☒ NO_X ☐ SO_2 ☐ PM_{10} ☒ CO ☐ Pb ☐ HAPS	
Other:	
E.	Is the site a non-major source subject to the Federal Operating Permit Program? ☐ Yes ☒ No
F.	Is the site within a local program area jurisdiction? ☐ Yes ☒ No
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ Yes ☒ No
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III.	**Permit Type**
A.	Type of Permit Requested: *(Select only one response)*
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 2)
Texas Commission on Environmental Quality

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☒ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☒ Yes ☐ No
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ Yes ☒ No
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☒ Yes ☐ No
E.	Has the required Public Involvement Plan been included with this application?	☐ Yes ☒ No
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ Yes ☒ No
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: Brian L. Dosa		
RO Title: Director, Public Works		
Employer Name: U. S. Army, HQ III Corps and Fort Cavazos		
Mailing Address: U. S. Army, HQ III Corps and Fort Cavazos, Director of Public Work (AMIM-HDP), 4612 Engineer Dr.		
City: Fort Cavazos		
State: TX		
ZIP Code: 76544		
Territory:		
Country: USA		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: (254) 287-5500		
Fax No.:		
Email: brian.l.dosa.civ@army.mil		

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 3)
Texas Commission on Environmental Quality

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)	
Technical Contact Full Name: Michael Clark	
Technical Contact Title: Air Quality & Operational Noise Program Manager	
Employer Name: U.S. Army, HQ III Corps and Fort Cavazos	
Mailing Address: 1388 Engineer Dr	
City: Fort Cavazos	
State: TX	
ZIP Code: 76544	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: (254) 287-8714	
Fax No.:	
Email: michael.n.clark.civ@army.mil	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: Dawn Buckingham	
B. State Representative: Brad Buckley / Hugh Shine / Shelby Slawson	
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ Yes ☐ No ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☒ Yes ☐ No
E. Indicate the alternate language(s) in which public notice is required: Spanish	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 4)
Texas Commission on Environmental Quality

IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name:
B.	Physical Address:
City:	
State:	
ZIP Code:	
Territory:	
Country:	
Foreign Postal Code:	
C.	Physical Location:
D.	Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name:	
E.	Telephone No.:
X.	**Application Area Information**
A.	Area Name: Fort Cavazos, U.S. Army
B.	Physical Address: U.S. Army, HQ III Corps and Fort Cavazos, Attn: AMIM-HDP-E, 4612, Engineer Dr.
City: For Cavazos	
State: TX	
ZIP Code: 76544	
C.	Physical Location:
West of the city of Killeen, near Hwy 190/ Interstate 14	
D.	Nearest City: Killeen
E.	State: TX
F.	ZIP Code: 76544

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 5)
Texas Commission on Environmental Quality

X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): 31d 08' 00" North
H.	Longitude (nearest second): 97d 36' 00" West
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☒ Yes ☐ No
J.	Indicate the estimated number of emission units in the application area: >200
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: Killeen Public Library
B.	Physical Address: 205 E. Church Street
City: Killeen	
ZIP Code: 76541	
C.	Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):	
Contact Person Full Name: Michael Clark	
Contact Mailing Address: 1388 Engineer Dr.	
City: Fort Cavazos	
State: TX	
ZIP Code: 76544	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: (254) 287-8714	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 7)
Texas Commission on Environmental Quality

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 03/14/1997
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.313	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 11/26/1997
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 03/14/1997
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.495	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.533	Version No./Date: 03/14/1997
Number: 106.533	Version No./Date: 11/01/2001
Number: 107	Version No./Date: 05/04/1994
Number: 107	Version No./Date: 06/07/1996
Number: 110	Version No./Date: 09/12/1989
Number: 113	Version No./Date: 10/04/1995
Number: 124	Version No./Date: 05/04/1994
Number: 124	Version No./Date: 06/07/1996

Commented [JW1]: Not a valid PBR Version No./Effective Date. Please provide an updated Form OP-REQ1 Page 88 for PBRs with the correct version no./date.

Commented [JT2R1]: Correct date for 106.263 is 11/01/2001

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ARO65	TOUCHUP TOPCOAT OPERATION, BLDG 707	70/06/07/1996
ARO66	TOUCHUP TOPCOAT OPERATION, BLDG 708	70/06/07/1996
ARO67	TOUCHUP TOPCOAT OPERATION, BLDG 7027	70/06/07/1996
BLR36071-1	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-2	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-3	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-4	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
COMPREP	COMPOSITE SITE OPERATIONS	113/10/04/1995
ET001	JET ENGINE TESTING	106.263/11/01/2001
ET003	VEHICLE ENGINE TESTING	106.263/11/01/2001
FS011	YDAHP F-24 FUELING STATION	106.412/03/14/1997
FS011A	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997
FS011B	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997
FS011C	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997
FS018	LRC FUELING STATION - BIODIESEL	106.412/09/04/2000
FS018A	LRC TANK FARM DIESEL STORAGE TANK A	51/11/05/1986
FS019	LRC FUELING STATION - E-85 GASOLINE	106.412/09/04/2000
FS019A	LRC FUELING STATION E-85 STORAGE TANK A	106.472/09/04/2000
FS020	NFC FUELING STATION	106.412/09/04/2000
FS021	SPLIT TANK GASOLINE FUELING STATION	106.412/09/04/2000
FS022	SPLIT TANK DIESEL FUELING STATION	106.412/09/04/2000

Commented [JW3]: Not a valid PBR Version No./Effective Date.

Commented [JT4R3]: Correct date for 106.263 is 11/01/2001

Commented [JW5]: Not a valid PBR Version No./Effective Date.

Commented [JT6R5]: Correct date for 106.263 is 11/01/2001

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS021A	60Kb-1	GASTN	10K-20K	~~IFR~~NONE	2.2-	NONE~~3~~				
FS022A	60Kb-1	PTLQ-3	10K-20K	~~IFR~~NONE	2.2-	NONE~~3~~				
~~ST001A~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001B~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001C~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-	NONE				
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-	NONE				
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-	NONE				
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-	NONE				
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-	NONE				
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-	NONE				
FS011A	60Kb-1	PTLQ-3	40K+	IFR	0.5-	IFR-VP		FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR	0.5-	IFR-VP		FLOAT		

Commented [MC1]: MAX TVP: I added the 2.2- or 0.5- off of the tank size and the VP from the SDS and the codes listed in the Form OP-UA3 Storage Tank/Vessel Attributes

Commented [MC2]: FS021A and FS022A is a Split HFR tank so changed to NONE

FS011C	60Kb-1	PTLQ-3	40K+	IFR	0.5-	IFR-VP		FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE~~3~~	0.5	NONE		~~NONE~~		
ST001B	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE~~3~~	0.5	NONE		~~NONE~~		
ST001C	60Kb-1	PTLQ-3	40K+	IFR	0.5	IFR-VP		FLOAT		

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Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
1/10/2025	O1659	RN101612083

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
CT001	63Q-1	No	2003

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
~~11/18/2022~~1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
~~A~~	~~41~~	~~IC001-13~~	~~OP-UA2~~	~~NEC REMOTE SERVICE CENTER BLDG 338~~		~~106.511/09/04/2000[54052]~~	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
D	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

Commented [JW1]: The strikeout of this revision item is conflicting with revision 41 on Form OP-2. Please clarify intent.

Commented [JT2R1]: Unit removed.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE F~~H~~CFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE F~~H~~CFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

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Table 1

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

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A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

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A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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A	100	IC002-17	OP-UA2	WF~~H~~C SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
D	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

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D	111	IC004-1	OP-UA2	4SLB ENGINE F~~H~~CFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE F~~H~~CFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE YDAHP BLDG 7004		106.512/06/13/2001[54052]	

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	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		~~106.433/02/28/2019{~~[24538]~~}~~	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		~~106.433/02/28/2019{~~[24538]~~}~~	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		~~106.433/02/28/2019~~(24538)~~[24538]~~	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		~~106.433/02/28/2019~~(24538)~~[24538]~~	
A	137	SC016	OP-UA1	COMPOSITE SITE ~~OPERATIONS~~		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW3]: For Unit IDs SC004, SC005, SC006, and SC007 (revision items 121, 123, 125, and 127), PBR Registration No. 24538 was provided however there is no PBR Registration No. 24538. There is a NSR permit 24538. I have left the preconstruction authorization as NSR 24538.

Should PBR 106.433 also be documented as a preconstruction authorization for these units? Please look at the OP-SUM excel sheet because the other SC* units also have NSR 24538 documented as a PCA, though some have PBR 106.433.

Commented [JT4R3]: This should be in format referring to NSR 24538.

Commented [JW5]: There is no revision 137 on the April 15, 2024 OP-2. I believe this was changed at another date. I am unsure of where this unit came from.

Commented [JT6R5]: Revision 137 on OP-2 corrected to show SC016.

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Table 1

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	~~DS2~~A~~MC~~VN~~OM~~ WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW7]: Description goes over character limit. Kept "DS2", which also matches WW005 in revision item 153.0

Commented [JT8R7]: Could we use "AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731" ?

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A	139	IC003-27	OP-UA2	NF~~H~~C EOC BLDG 56506		106.511/09/04/2000[54052]	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000/[54052]	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000/[54052]	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		106.511/09/04/2000/[54052]	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		106.534/09/12/1989[1866]	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		106.262/05/31/2007/[81875, 83515]	
D	151	BOILER11	OP-UA6	STEAM BOILERS		106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		106.265/09/04/2000	

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS	106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036	106.495/11/02/2002[52888]	
A	153	ET001	OP-UA1	JET ENGINE TESTING	106.263/11/01/2001 ~~08/29/2006~~[79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING	106.263/11/01/2001 ~~08/29/2006~~[79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015	106.511/09/04/2000 ~~03/07/2003~~[54052]	
~~A~~	~~153~~	~~IC001-16~~	~~OP-UA2~~	~~DIESEL ENGINE GRANGER LAKE BLDG GRL03~~	~~106.511/03/07/2003[54052]~~	
~~A~~	~~153~~	~~IC001-5~~	~~OP-UA2~~	~~FHFD STATION #5 DIESEL IC EQUIPMENT < 600HP, BLDG 52940~~	~~106.511/03/07/2003[54052]~~	
A	153	IC001-51	OP-UA2	DIESEL ENGINE ~~DOL~~LRC ADMIN BLDG 89010	106.511/09/04/2000 ~~03/07/2003~~[54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251	106.511/09/04/2000 ~~03/07/2003~~[54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067	106.511/09/04/2000 ~~03/07/2003~~[54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, F~~H~~C CMNI, BLDG 90500	106.511/09/04/2000 ~~03/07/2003~~[54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR	106.511/03/05/2021[164083~~54052~~]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095	106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087	106.511/09/04/2000[54052]	

Commented [JW9]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JT10R9]: Filled out OP-UA13 for this group of cooling towers.

Formatted Table

Commented [JW11]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JW12]: For Unit IDs ET001 and ET003, this is not a valid PBR Version No./Effective Date.

Commented [JT13R12]: Corrected to 11/01/2001

Commented [JW14]: Not a valid Version No./Date and conflicts with information provided in revision #42 on Form OP-SUMR.

Commented [JT15R14]: Version No./Date corrected to 09/04/2000.

Commented [JW16]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT17R16]: Version No./Date corrected to 09/04/2000.

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Commented [JT19R18]: Version No./Date corrected to 09/04/2000.

Commented [JW20]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT21R20]: Version No./Date corrected to 09/04/2000.

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Commented [JT23R22]: Version No./Date corrected to 09/04/2000.

Commented [JW24]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT25R24]: Version No./Date corrected to 09/04/2000.

Commented [JW26]: In revision #91, the PBR Registration No. 164083 was provided but here it is 54052. Please confirm the correct PBR Registration No.

Commented [JT27R26]: Corrected to 164083

	153	IC002-1	OP-UA2	COLD STORAGE DIESEL IC EQUIPMENT > 600HP, BLDG 89100A	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	~~153~~	~~IC003-10~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #1 BLDG 29017~~	~~106.511/03/07/2003[54052]~~	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612	106.511/09/04/2000 ~~03/07/2003~~[54052]	
	~~153~~	~~IC003-5~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #5 NORTH BLDG 56304~~	~~106.511/09/04/2000[54052]~~	
	~~153~~	~~IC003-6~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #2 BLDG 4304~~	~~106.511/03/07/2003[54052]~~	
	153	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016	106.511/09/04/2000 ~~03/07/2003~~[54052]	

Commented [JW30]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT31R30]: Version No./Date corrected to 09/04/2000.

Commented [JW28]: This description goes over the character limit. I have left it as "DIESEL IC EQUIPMENT > 600HP"

Commented [JT29R28]: "DIESEL IC EQUIPMENT > 600HP" will work for this source.

Commented [JW32]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT33R32]: Version No./Date corrected to 09/04/2000.

Commented [JW34]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JT35R34]: Version No./Date corrected to 09/04/2000.

Commented [JW36]: Not a valid Version No./Date. I have left it as 03/14/1997. Please confirm.

Commented [JT37R36]: Version No./Date corrected to 09/04/2000.

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Commented [JW52]: Not a valid Version No./Date. I have l...

Commented [JT53R52]: Version No./Date corrected to ...

	~~153~~	~~IC003_9~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #3 BLDG 11002~~	~~106.511/03/07/2003[54052]~~	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS	106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS	106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS	106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS	106.533/07/04/2004 ~~03/14/1997~~[41479]	
	153	MO006	OP-~~UA1~~UA4	FUEL TANKER CLEANING OPERATIONS-BLDG 1949	106.262/11/01/2003 ~~10/12/2005~~[76961]	
	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060	106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041	106.433/09/04/2000 ~~05/19/2015~~[131851]	
	153	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A	51/11/05/1986	
	153	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B	51/11/05/1986	
	153	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C	51/11/05/1986	
	153	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A	51/11/05/1986	
	153	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A	106.412/03/14/1997~~[24583]~~	
	~~153~~	~~SU001~~	~~OP-UA16~~	~~433 DEGREASER SITE-WIDE~~	~~106.454/04/01/2002[50528]~~	

Commented [JW54]: This was requested to be deleted in revision #168

Commented [JT55R54]: Correct. Deleted.

Commented [JW56]: Not a valid Version No./Date. I have interpreted it as 09/04/2000. Please confirm.

Commented [JT57R56]: Version No./Date corrected to 07/04/2004.

Commented [JW58]: Unit is on OP-UA4

Commented [JT59R58]: Corrected to OP-UA4

Commented [JW60]: Not a valid Version No./Effective Date. I have left it as 03/14/1997.

Commented [JT61R60]: Version No./Date corrected to 11/01/2003.

Commented [JW62]: Not a valid Version No./Effective date. I have left it as 09/04/2000. Please confirm.

Commented [JT63R62]: Version No./Date corrected to 09/04/2000.

Commented [JW64]: Not a valid PBR Registration No.

Commented [JT65R64]: Deleted 24583. This is the NSR Permit number that authorizes surface coating operations.

Commented [JW66]: Group ID SU001 (which included many ARO** units) was removed from the permit due to the site not being major for HAPS as stated in 11/3/2023 email.

Commented [JT67R66]: Deleted this row since Group ID SU001 was removed from the permit.

	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949		106.261/09/11/2002[52124]	
	~~153~~	~~ARO10A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 7013~~		~~80/12/01/1972~~	
	~~153~~	~~ARO10B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 7013~~		~~80/12/01/1972~~	
	~~153~~	~~ARO16A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 90094~~		~~70/11/25/1985~~	
	~~153~~	~~ARO16B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 90094~~		~~70/11/25/1985~~	
	~~153~~	~~ARO17A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 90098~~		~~70/11/05/1986~~	
	~~153~~	~~ARO17B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 90098~~		~~70/11/05/1986~~	
	~~153~~	~~ARO18A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 90033~~		~~70/11/25/1985~~	
	~~153~~	~~ARO18B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 90033~~		~~70/11/25/1985~~	
	~~153~~	~~ARO19A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 88024~~		~~70/06/07/1996~~	
	~~153~~	~~ARO19B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 88024~~		~~70/06/07/1996~~	
	~~153~~	~~ARO1A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION BLDG 6978~~		~~124/05/04/1994~~	
	~~153~~	~~ARO1B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 6978~~		~~70/11/05/1986~~	
	~~153~~	~~ARO20A~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 88024~~		~~70/06/07/1996~~	
	~~153~~	~~ARO20B~~	~~OP-UA1~~	~~HAND-WIPE CLEANING OPERATION, BLDG. 88024~~		~~70/06/07/1996~~	

Commented [JW68]: Refer to comment for SU001. All ARO** units except for ARO65, ARO66, and ARO67 should be removed since they are no longer in the permit, or have a "D" in the action indicator column.

Commented [JT69R68]: Deleted ARO** rows except ARO65, ARO66, ARO67.

	153	ARO21A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO21B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO25A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO25B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO28	OP-UA1	SITE-WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO29	OP-UA1	SITE-WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO2A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		124/05/04/1994	
	153	ARO2B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO30	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90033		41/11/25/1985[50528]	
	153	ARO31	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90051		46/05/08/1972[50528]	
	153	ARO32	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 90098		107/05/04/1994[50528]	
	153	ARO33	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90098		41/11/05/1986[50528]	
	153	ARO34	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 90051		107/05/04/1994[50528]	

	153	ARO35	OP-UA1	ENGINE CLEANING BY FLUSHING, BLDG. 90051		46/05/08/1972[50528]	
	153	ARO36	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 6940		107/05/04/1994[50528]	
	153	ARO37	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7007		107/05/04/1994[50528]	
	153	ARO38	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7021		107/05/04/1994[50528]	
	153	ARO39	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7022		107/05/04/1994[50528]	
	153	ARO3A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		124/05/04/1994	
	153	ARO3B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		80/09/17/1973	
	153	ARO42	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7013		107/05/04/1994[50528]	
	153	ARO43A	OP-UA1	HAND-WIPE CLEAINING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO43B	OP-UA1	HAND-WIPE CLEANING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO44A	OP-UA1	HAND-WIPE CLEAINING, BLDG 90094		70/11/05/1986	
	153	ARO44B	OP-UA1	HAND-WIPE CLEANING, BLDG 90094 (AVIM)		70/11/05/1986	
	153	ARO45A	OP-UA1	HAND-WIPE CLEAINING, BLDG 707		124/05/04/1994	
	153	ARO45B	OP-UA1	HAND-WIPE CLEANING, BLDG 707		124/05/04/1994	
	153	ARO46A	OP-UA1	HAND-WIPE CLEANING, BLDG 708		124/05/04/1994	

	~~153~~	~~ARO46B~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 708~~		~~124/05/04/1994~~	
	~~153~~	~~ARO47A~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 6970~~		~~70/11/05/1986~~	
	~~153~~	~~ARO47B~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 6970~~		~~70/11/05/1986~~	
	~~153~~	~~ARO48A~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 6972~~		~~70/11/05/1986~~	
	~~153~~	~~ARO48B~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 6972~~		~~70/11/05/1986~~	
	~~153~~	~~ARO49A~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 7027~~		~~124/05/04/1994~~	
	~~153~~	~~ARO49B~~	~~OP-UA1~~	~~HAND WIPE CLEANING, BLDG 7027~~		~~124/05/04/1994~~	
	~~153~~	~~ARO4A~~	~~OP-UA1~~	~~HAND WIPE CLEANING OPERATION, BLDG. 6940~~		~~124/05/04/1994~~	
	~~153~~	~~ARO4B~~	~~OP-UA1~~	~~HAND WIPE CLEANING OPERATION, BLDG. 6940~~		~~70/11/05/1986~~	
	~~153~~	~~ARO5A~~	~~OP-UA1~~	~~HAND WIPE CLEANING OPERATION, BLDG. 7021~~		~~124/05/04/1994~~	
	~~153~~	~~ARO5B~~	~~OP-UA1~~	~~HAND WIPE CLEANING OPERATION, BLDG. 7021~~		~~80/09/23/1982~~	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707		70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708		70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027		70/06/07/1996	
	~~153~~	~~ARO68~~	~~OP-UA1~~	~~ENGINE FLUSH CLEANING, BLDG 6975~~		~~41/06/07/1996[50528]~~	

	153	ARO69	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	
	153	ARO6A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO6B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO70	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6978		41/06/07/1996[50528]	
	153	ARO71	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7012/7013		41/06/07/1996[50528]	
	153	ARO72	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7021		41/06/07/1996[50528]	
	153	ARO73	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7022		41/06/07/1996[50528]	
	153	ARO74	OP-UA1	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)		41/06/07/1996[50528]	
	153	ARO75	OP-UA1	ENGINE FLUSH CLEANING, BLDG 707		41/06/07/1996[50528]	
	153	ARO76	OP-UA1	ENGINE FLUSH CLEANING, BLDG 708		41/06/07/1996[50528]	
	153	ARO77	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6972		41/06/07/1996[50528]	
	153	ARO78	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7027		41/06/07/1996[50528]	
	153	ARO79	OP-UA16	COLD PARTS WASHING, BLDG 6940 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO7A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
	153	ARO7B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	

	153	ARO80	OP-UA16	COLD PARTS WASHING, BLDG 6970		106.454/03/14/1997[50528]	
	153	ARO81	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO82	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO83	OP-UA16	COLD PARTS WASHING, BLDG 6978		106.454/03/14/1997[50528]	
	153	ARO84	OP-UA16	COLD PARTS WASHING, BLDG 90094		106.454/03/14/1997[50528]	
	153	ARO85	OP-UA16	COLD PARTS WASHING, BLDG 90094 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO86	OP-UA16	COLD PARTS WASHING, BLDG 707		106.454/03/14/1997[50528]	
	153	ARO87	OP-UA16	COLD PARTS WASHING, BLDG 708		106.454/03/14/1997[50528]	
	153	ARO88	OP-UA16	COLD PARTS WASHING, BLDG 7012		106.454/03/14/1997[50528]	
	153	ARO89	OP-UA16	COLD PARTS WASHING, BLDG 7027		106.454/03/14/1997[50528]	
	153	ARO8A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO8B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO90	OP-UA16	COLD PARTS WASHING, BLDG 88027		106.454/03/14/1997[50528]	
	153	EC002	OP-UA1	SITE-WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Commented [JW70]: This group ID was requested to be removed in various revision on OP-2 (BOILER units were removed).

Commented [JT71R70]: EC002 should not be removed.

	153	EC002	OP-UA1	SITE WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
	153	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	153	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	153	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	153	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	153	FS018A	OP-UA3	~~DOL~~LRC TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	FS018	OP-UA4	~~DOL~~LRC FUELING STATION - BIODIESEL		106.412/09/04/2000	
	153	FS019A	OP-UA3	~~DOL~~LRC FUELING STATION E-85 STORAGE TANK A		106.472/09/04/2000	
	153	FS019	OP-UA4	~~DOL~~LRC FUELING STATION - E-85 GASOLINE		106.412/09/04/2000	
	153	FS020	OP-UA4	~~NFH~~ NFC FUELING STATION		106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION		106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION		106.412/09/04/2000	
~~A~~	~~153~~	~~IC001-13~~	~~OP-UA2~~	~~NEC REMOTE SERVICE CENTER BLDG 338~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-~~WFH~~WFC CLARK GATE BLDG 70017		106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		106.511/09/04/2000[54052]	

	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		106.511/09/04/2000[54052]	
	~~153~~	~~IC001-24~~	~~OP-UA2~~	~~DIESEL ENGINE RGAAF PRECISION APPROACH RADAR BLDG 90244~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		106.511/09/04/2000[54052]	
	153	IC001-43	OP-UA2	DIESEL ENGINE F~~HC~~FD - STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155		106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083		106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE ~~DOL~~LRC MAINFRAME BLDG 88037		106.511/09/04/2000[54052]	
	153	IC001-~~54~~55	OP-UA2	DIESEL ENGINE ACP #2A - ~~HWY 195 GATE BLDG 5758~~		106.511/09/04/2000[54052]	

Commented [JW72]: Unit ID no longer exists and was changed to IC002-18

Commented [JT73R72]: Changed to IC001-55

	153	IC001-55	OP-UA2	DIESEL ENGINE F~~H~~CFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177		106.511/09/04/2000[54052]	
	~~153~~	~~IC001-61~~	~~OP-UA2~~	~~DIESEL ENGINE FIRE PUMP #2 BLDG 90177~~		~~106.511/09/04/2000[54052]~~	
	~~153~~	~~IC001-62~~	~~OP-UA2~~	~~DIESEL ENGINE FIRE PUMP #3 BLDG 90177~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE		106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040		106.511/09/04/2000[54052]	
	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670		106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154		106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149		106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	

A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624	106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440	106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410	106.511/09/04/2000[54052]	
A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435	106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010	106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176	106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012	106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #1~~DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #1, BLDG 36071~~	106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #2~~DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #2, BLDG 36071~~	106.511/09/04/2000[54052]	
	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #3~~DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #3, BLDG 36071~~	106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR DAMC #4~~DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #4, BLDG 36071~~	106.511/09/04/2000[54052]	

Commented [JW74]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #1"

Commented [JT75R74]: DIESEL ENGINE EMERGENCY GENERATOR DAMC #1 will work.

Commented [JW76]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #2"

Commented [JT77R76]: DIESEL ENGINE EMERGENCY GENERATOR DAMC #2 will work.

Commented [JW78]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #3"

Commented [JT79R78]: DIESEL ENGINE EMERGENCY GENERATOR DAMC #3 will work.

Commented [JW80]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #4"

Commented [JT81R80]: DIESEL ENGINE EMERGENCY GENERATOR DAMC #4 will work.

	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	~~WFH~~WFC SCIF BLDG 90087		106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE F~~H~~CFD - RGAAF BLDG 90145		106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048		106.511/09/04/2000[54052]	
	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031		106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		106.511/09/04/2000[54052]	
	~~153~~	~~IC003-20~~	~~OP-UA2~~	~~4SRB ENGINE NEC RSC #7 BLDG 88075~~		~~106.511/09/04/2000[54052]~~	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	153	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	

A	153	IC003-27	OP-UA2	~~NFH~~NFC EOC BLDG 56506		106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016		106.511/09/04/2000[54052]	
	~~153~~	~~IC004-1~~	~~OP-UA2~~	~~4SLB ENGINE FHFD TRANSMITTER BLDG 56013~~		~~106.511/09/04/2000[54052]~~	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072		106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159		106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS		106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS		106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A		51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B		51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A		51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B		106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C		106.412/09/04/2000	

	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E		106.472/03/14/1997	
	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F		106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G		106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I		106.412/09/04/2000, 106.472/09/04/2000	
	~~153~~	~~ST006A~~	~~OP-UA3~~	~~MISCELLANEOUS F-24 STORAGE TANK A~~		~~106.472/09/04/2000~~	
	~~153~~	~~ST006B~~	~~OP-UA3~~	~~MISCELLANEOUS F-24 STORAGE TANK B~~		~~106.412/09/04/2000~~	
	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C		106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D		106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E		106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A		106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B		106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C		106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D		106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E		106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F		106.412/09/04/2000	

Commented [JT82]: Deleted per Rev 155 on OP-2

Commented [JW83]: Unit is requested to be deleted in Revision #156

Commented [JT84R83]: deleted

	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G		106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C		106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D		106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E		106.472/09/04/2000	
	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F		106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G		106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H		106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I		106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J		106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K		106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L		106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M		106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N		106.472/09/04/2000	

	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O		106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P		106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q		106.472/09/04/2000	
	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S		106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T		106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U		106.472/09/04/2000	
	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V		106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W		106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A		106.472/09/04/2000	

	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B	106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C	106.472/09/04/2000	
~~A~~	~~153~~	~~WL001~~	~~OP-UA1~~	~~SITE-WIDE WELDING OPERATIONS~~	~~106.227/09/04/2000~~	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731~~DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731~~	106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS	106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009	106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071~~STEAM BOILERS > 10MMBTU/HR – BLDG 36071~~	106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071~~STEAM BOILERS > 10MMBTU/HR – BLDG 36071~~	106.183/09/04/2000	

Commented [JW85]: This unit was not provided on Form OP-UA1 or any other UA Form. I am not sure where this unit came from or what applicable requirements need to be document. If the unit only needs to be on Form OP-PBRSUP, it should be removed from Form OP-SUMR.

Commented [JT86R85]: WL001 is sitewide welding. Removed it from OP-SUMR and just have this source on Form OP-PBRSUP.

Commented [JT87]: Could we use "AVN WOODWORKING AND MANUFACTURING OPERATIONS – 731" ?

Commented [JW88]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JT89R88]: STEAM BOILERS – BLDG 36071 is the correct description.

Commented [JW90]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JT91R90]: STEAM BOILERS – BLDG 36071 is the correct description.

A	153	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071~~STEAM BOILERS > 10MMBTU/HR - BLDG 36071~~		106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071~~STEAM BOILERS > 10MMBTU/HR - BLDG 36071~~		106.183/09/04/2000	
A	153	AB001	OP-UA57	Abrasive Blasting Room		106.452/02/26/2013[107747]	
A	153	Brake Repair Downdraft Table	OP-UA1	Asbestos Brake Repair and Welding		106.261/08/04/2005[70022], 106.262/08/04/2005[70022]	
A	153	MO007	OP-UA1	Can Crusher		106.261/11/04/2011[98846], ~~106.262/11/04/2011[98846]~~	
A	153	Aerosol Can Crusher	OP-UA1	Can Crusher		106.261/08/11/2017[147753], ~~106.262/08/11/2017[147753]~~	
A	154	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	
D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A		§106.472/09/04/2000	
D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B		§106.412/09/04/2000	
	157	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	157	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	157	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	157	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	157	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	157	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	

Commented [JW92]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JT93R92]: STEAM BOILERS – BLDG 36071 is the correct description.

Commented [JW94]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JT95R94]: STEAM BOILERS – BLDG 36071 is the correct description.

Commented [JW96]: This unit was previously removed from permit. See comments for SU001

Commented [JW97]: Not a valid unit ID. Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements?

Commented [JT98R97]: This unit is being removed. Added to PBRSUP.

Commented [JW99]: Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT100R99]: Added to PBRSUP.

Commented [JT101R99]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for them, we can call them CC001 and CC002."

Mr. Walker, would this suffice?

Commented [JW102]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT103R102]: Added to OP-PBRSUP.

Commented [JT104R102]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for each of them, we can call them CC001 and CC002."

Mr. Walker, would this suffice?

Commented [JW105]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JT106R105]: CT001 is on OP-PBRSUP.

	158	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	158	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	158	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	158	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	158	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	158	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
	158	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	
	158	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	158	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	158	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	159	IC001-61	OP-UA2	Fire Pump #2		106.511/09/04/2000[54052]	
D	160	IC001-62	OP-UA2	Fire Pump #3		106.511/09/04/2000[54052]	
A	161	IC001-91	OP-UA2	FCF – Station 5		106.511/09/04/2000[54052]	
A	162	IC001-92	OP-UA2	Granger Lake Radar		106.511/09/04/2000[54052]	
A	163	IC001-93	OP-UA2	Fire Pump #3		106.511/09/04/2000[54052]	

Commented [JW107]: Not a valid PBR Registration No.

Commented [JT108R107]: Deleted NSR permit number. Should just be fuel dispensing PBR 106.412

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A	164	IC001-94	OP-UA2	Fire Pump #2	106.511/09/04/2000[54052]	
A	165	IC001-95	OP-UA2	Crittenberger Range	106.511/09/04/2000[54052]	
D	166	IC003-5	OP-UA2	NEC RSC #5 North	106.511/09/04/2000[54052]	
D	167	IC003-6	OP-UA2	NEC RSC #2	106.511/09/04/2000[54052]	
D	168	IC003-9	OP-UA2	NEC RSC #3	106.511/09/04/2000[54052]	
D	169	IC003-10	OP-UA2	NEC RSC#1	106.511/09/04/2000[54052]	
A	170	IC003-29	OP-UA2	NEC RSC #5 North	106.511/09/04/2000[164083]	
A	171	IC003-30	OP-UA2	NEC RSC #2	106.511/09/04/2000[164083]	
A	172	IC003-31	OP-UA2	NEC RSC#1	106.511/09/04/2000[164083]	
A	173	IC003-32	OP-UA2	NEC RSC #3	106.511/09/04/2000[164083]	
A	174	IC003-33	OP-UA2	NEC RSC #6	106.511/09/04/2000[164083]	
A	175	IC003-34	OP-UA2	NEC RSC #7	106.511/09/04/2000[164083]	
A	176	IC006-1	OP-UA2	BLORA Paintball Course	106.512/06/13/2001[54052]	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
~~11/18/2022~~1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
~~109~~	~~IC003-5~~	~~OP-UA2~~	~~A~~	~~GRP-ENGINE2~~
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
~~1/11/2022~~1/10/2025	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-~~REQ2~~UA2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Commented [JW109]: Unit is on OP-UA2, not OP-REQ2.

Commented [JT110R109]: Changed to OP-UA2

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
157	FS011A	OP-UA3	D	GRPTANK9
157	FS011B	OP-UA3	D	GRPTANK9
157	FS011C	OP-UA3	D	GRPTANK9
157	ST001A	OP-UA3	D	GRPTANK9
157	ST001B	OP-UA3	D	GRPTANK9
157	ST001C	OP-UA3	D	GRPTANK9

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
~~11/18/2022~~1/10/2025	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 87

XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: N/A	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.: N/A	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 24538	Issuance Date: 2/28/2019	Authorization No.:	Issuance Date:
Authorization No.: 88412	Issuance Date: 7/17/2019	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.183	Version No./Date: 06/18/1997
PBR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.231	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 09/11/2002
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 03/14/1997
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 09/09/1998
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.313	Version No./Date: 09/04/2000
PBR No.: 106.371	Version No./Date: 09/04/2000
PBR No: 106.412	Version No./Date: 03/14/1997
PBR No: 106.412	Version No./Date: 09/04/2000
PBR No: 106.418	Version No./Date: 11/26/1997
PBR No: 106.433	Version No./Date: 03/14/1997
PBR No: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 03/14/1997
	[Intentionally left blank]

Commented [JT1]: Added to this form due to SU003 on OP-SUMR Preconstruction Authorization: 106.261/09/11/2002[52124].

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.495	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.533	Version No./Date: 07/04/2004
PBR No.: 106.533	Version No./Date: 11/01/2001
PBR No.: 14	Version No./Date: 10/04/1995
PBR No.: 41	Version No./Date: 11/25/1985
PBR No.: 41	Version No./Date: 11/05/1986
PBR No.: 41	Version No./Date: 06/07/1996
PBR No.: 46	Version No./Date: 05/08/1972
PBR No.: 51	Version No./Date: 09/23/1982
PBR No.: 51	Version No./Date: 11/05/1986
PBR No.: 51	Version No./Date: 10/04/1995
PBR No.: 51	Version No./Date: 06/07/1996
PBR No.: 70	Version No./Date: 11/25/1985
PBR No.: 70	Version No./Date: 11/05/1986
PBR No.: 70	Version No./Date: 07/20/1992
PBR No.: 70	Version No./Date: 06/07/1996
PBR No.: 75	Version No./Date: 04/05/1995
	[Intentionally left blank]

Date:	1/10/2025
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 75	Version No./Date: 06/07/1996
PBR No.: 80	Version No./Date: 12/01/1972
PBR No.: 80	Version No./Date: 09/17/1973
PBR No.: 80	Version No./Date: 01/08/1980
PBR No.: 80	Version No./Date: 09/23/1982
PBR No.: 80	Version No./Date: 06/07/1996
PBR No.: 86	Version No./Date: 10/04/1995
PBR No.: 89	Version No./Date: 05/04/1994
PBR No.: 102	Version No./Date: 05/04/1994
PBR No.: 106	Version No./Date: 10/04/1995
PBR No.: 107	Version No./Date: 05/04/1994
PBR No.: 107	Version No./Date: 06/07/1996
PBR No.: 110	Version No./Date: 09/12/1989
PBR No.: 113	Version No./Date: 10/04/1995
PBR No.: 124	Version No./Date: 05/04/1994
PBR No.: 124	Version No./Date: 06/07/1996

♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/109/20252
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA	
Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ❑ NO

I. Application Type

Indicate the type of application:

☒Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement		
For SOP Revisions Only	The referenced changes qualify for the marked revision type.	☒ YES ❑ NO
For GOP Revisions Only	The permitted area continues to qualify for a GOP.	☐ YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*	
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/~~19~~10/~~2022~~2025
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	~~Yes~~No	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30

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Commented [JT1]: Changed to "No". Boilers 9,10 and 11 were removed in 2021.

Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
						TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
						heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
						removed in this revision. This negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	~~Add unit to permit~~Unit was removed..
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.
85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	IC003-28	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.
101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~ Unit is OOS; Remove from Title V Permit
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has no associated units with it and does not need to exist in the permit anymore.
113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140

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Date:	1/~~19~~10/~~2022~~2025
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

						as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117	MS-C	No	IC003-7	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR

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Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
						60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
						because this rule is addressed in its entirety on OP-REQ1.
135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986, 107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
137	SIG-E	No	~~WW002~~SC016	OP-REQ2	113/10/04/1995[30861]~~106.231/09/04/2000~~	~~Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.~~Source name change in Title V Permit.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
140	MS-C	No	IC001-10	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
141	MS-C	No	IC001-17	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
142	MS-C	No	IC001-31	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-ENGINE8 now has

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Date:	1/~~19~~10/~~2022~~2025
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

						no associated units with it, and does not need to exist in the permit anymore.
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15 now has no associated units with it, and does not need to exist in the permit anymore.
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop
153	MS-A	No	Various	Various	Various	Adding PBR Registration Nos. to Unit/Group IDs identified on Form OP-SUMR Table 1
155	SIG-E	No	ST006A	OP-UA3	§106.472/09/04/2000	Unit is OOS; Remove from Title V Permit
156	SIG-E	No	ST006B	OP-UA3	§106.412/09/04/2000	Unit is OOS; Remove from Title V Permit
157	SIG-E	No	Various	OP-UA3	§106.472/03/14/1997 51/11/05/1986	Deleting Unit IDs identified in form OP-SUMR from GRPTANK9; associated units have differing attributes and will be listed individually.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
158	ADMIN-A	No	Various	OP-SUMR	Various	Updating Unit/Process Name/Description for 13 units.
159	SIG-E	No	IC001-61	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
160	SIG-E	No	IC001-62	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
161	SIG-E	Yes	IC001-91	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
162	SIG-E	Yes	IC001-92	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
163	SIG-E	Yes	IC001-93	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
164	SIG-E	Yes	IC001-94	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
165	SIG-E	Yes	IC001-95	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
166	SIG-E	No	IC003-5	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
167	SIG-E	No	IC003-6	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
168	SIG-E	No	IC003-9	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
169	SIG-E	Yes	IC003-10	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
170	SIG-E	Yes	IC003-29	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
171	SIG-E	Yes	IC003-30	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
172	SIG-E	Yes	IC003-31	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
173	SIG-E	Yes	IC003-32	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
174	SIG-E	Yes	IC003-33	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.

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Date:			1/~~19~~10/~~2022~~2025			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
175	SIG-E	Yes	IC003-34	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
176	SIG-E	Yes	IC006-1	OP-UA2	106.512/06/13/2001[54052]	Add unit to permit.

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/109/202552
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required: Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision	☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
CT001	54052	106.371	03/07/2003
EC002	52124	106.495	11/02/2002
EC002	Claimed, No Registration Required	106.183	09/04/2000
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
IC001-14	54052	106.511	03/07/2003
IC001-16	54052	106.511	03/07/2003

IC001-5	54052	106.511	03/07/2003
IC001-51	54052	106.511	03/07/2003
IC001-56	54052	106.511	03/07/2003
IC001-65	54052	106.511	03/07/2003
IC001-68	54052	106.511	03/07/2003
IC001-8	54052	106.511	03/07/2003
IC001-82	164083	106.511	03/05/2021
IC001-85	Claimed, No Registration Required	106.511	09/04/2000
IC001-86	Claimed, No Registration Required	106.511	09/04/2000
IC002-1	54052	106.511	03/07/2003
IC002-15	54052	106.511	03/07/2003
IC002-3	54052	106.511	03/07/2003
IC002-4	54052	106.511	03/07/2003
IC002-5	54052	106.511	03/07/2003
IC002-6	54052	106.511	09/04/2000
IC002-7	54052	106.511	03/07/2003
IC002-8	54052	106.511	03/07/2003
IC002-9	54052	106.511	03/07/2003
IC003-10	54052	106.511	03/07/2003
IC003-11	54052	106.511	03/07/2003

IC003-1	54052	106.511	03/07/2003
IC003-5	54052	106.511	09/04/2000
IC003-6	54052	106.511	03/07/2003
IC003-7	54052	106.511	03/07/2003
IC003-8	54052	106.511	03/07/2003
IC003-9	54052	106.511	03/07/2003
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC021	131851	106.433	05/19/2015
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
HH001	Claimed, No Registration Required	106.265	09/04/2000
CT002	54052	106.371	09/04/2000
ST012	Claimed, No Registration Required	106.412	09/04/2000
SP001	Claimed, No Registration Required	106.418	11/26/1997
ARO00	24538	106.433	09/04/2000
SU002	Claimed, No Registration Required	106.454	03/14/1997

ST014	Claimed, No Registration Required	106.472	09/04/2000
ST016	Claimed, No Registration Required	106.473	09/04/2000
ARO79	50528	106.454	03/14/1997
ARO80	50528	106.454	03/14/1997
ARO81	50528	106.454	03/14/1997
ARO82	50528	106.454	03/14/1997
ARO83	50528	106.454	03/14/1997
ARO84	50528	106.454	03/14/1997
ARO85	50528	106.454	03/14/1997
ARO86	50528	106.454	03/14/1997
ARO87	50528	106.454	03/14/1997
ARO88	50528	106.454	03/14/1997
ARO89	50528	106.454	03/14/1997
ARO90	50528	106.454	03/14/1997
FS011A	Claimed, No Registration Required	106.472	03/14/1997
FS011B	Claimed, No Registration Required	106.472	03/14/1997
FS011C	Claimed, No Registration Required	106.472	03/14/1997
FS011	Claimed, No Registration Required	106.412	03/14/1997
FS018	Claimed, No Registration Required	106.412	09/04/2000
FS019A	Claimed, No Registration Required	106.472	09/04/2000

FS019	Claimed, No Registration Required	106.412	09/04/2000
FS020	Claimed, No Registration Required	106.412	09/04/2000
FS021	Claimed, No Registration Required	106.412	09/04/2000
FS022	Claimed, No Registration Required	106.412	09/04/2000
IC001-13	Claimed, No Registration Required	106.511	09/04/2000
IC001-18	Claimed, No Registration Required	106.511	09/04/2000
IC001-21	Claimed, No Registration Required	106.511	09/04/2000
IC001-22	Claimed, No Registration Required	106.511	09/04/2000
IC001-24	54052	106.511	09/04/2000
IC001-25	Claimed, No Registration Required	106.511	09/04/2000
IC001-30	Claimed, No Registration Required	106.511	09/04/2000
IC001-36	54052	106.511	09/04/2000
IC001-43	Claimed, No Registration Required	106.511	09/04/2000
IC001-44	Claimed, No Registration Required	106.511	09/04/2000
IC001-46	Claimed, No Registration Required	106.511	09/04/2000
IC001-47	Claimed, No Registration Required	106.511	09/04/2000
IC001-48	Claimed, No Registration Required	106.511	09/04/2000
IC001-49	Claimed, No Registration Required	106.511	09/04/2000
IC001-53	Claimed, No Registration Required	106.511	09/04/2000
IC001-55	Claimed, No Registration Required	106.511	09/04/2000

IC001-60	Claimed, No Registration Required	106.511	09/04/2000
IC001-61	Claimed, No Registration Required	106.511	09/04/2000
IC001-62	Claimed, No Registration Required	106.511	09/04/2000
IC001-66	Claimed, No Registration Required	106.511	09/04/2000
IC001-67	Claimed, No Registration Required	106.511	09/04/2000
IC001-69	Claimed, No Registration Required	106.511	09/04/2000
IC001-70	Claimed, No Registration Required	106.511	09/04/2000
IC001-71	Claimed, No Registration Required	106.511	09/04/2000
IC001-72	Claimed, No Registration Required	106.511	09/04/2000
IC001-74	Claimed, No Registration Required	106.511	09/04/2000
IC001-75	Claimed, No Registration Required	106.511	09/04/2000
IC001-76	Claimed, No Registration Required	106.511	09/04/2000
IC001-77	Claimed, No Registration Required	106.511	09/04/2000
IC001-78	Claimed, No Registration Required	106.511	09/04/2000
IC001-79	Claimed, No Registration Required	106.511	09/04/2000
IC001-81	Claimed, No Registration Required	106.511	09/04/2000
IC001-83	Claimed, No Registration Required	106.511	09/04/2000
IC001-84	Claimed, No Registration Required	106.511	09/04/2000
IC001-87	Claimed, No Registration Required	106.511	09/04/2000
IC001-88	Claimed, No Registration Required	106.511	09/04/2000

IC001-9	54052	106.511	09/04/2000
IC002-10	Claimed, No Registration Required	106.511	09/04/2000
IC002-11	Claimed, No Registration Required	106.511	09/04/2000
IC002-12	Claimed, No Registration Required	106.511	09/04/2000
IC002-13	Claimed, No Registration Required	106.511	09/04/2000
IC002-14	Claimed, No Registration Required	106.511	09/04/2000
IC002-16	Claimed, No Registration Required	106.511	09/04/2000
IC002-17	Claimed, No Registration Required	106.511	09/04/2000
~~IC001-54~~ IC002-18	Claimed, No Registration Required	106.511	09/04/2000
IC003-13	Claimed, No Registration Required	106.511	09/04/2000
IC003-14	54052	106.511	09/04/2000
IC003-16	Claimed, No Registration Required	106.511	09/04/2000
IC003-17	Claimed, No Registration Required	106.511	09/04/2000
IC003-18	Claimed, No Registration Required	106.511	09/04/2000
IC003-19	Claimed, No Registration Required	106.511	09/04/2000
IC003-20	Claimed, No Registration Required	106.511	09/04/2000
IC003-21	Claimed, No Registration Required	106.511	09/04/2000
~~IC003-22~~ IC-DF90140	Claimed, No Registration Required	106.511	09/04/2000
IC003-24	Claimed, No Registration Required	106.511	09/04/2000

IC003-25	Claimed, No Registration Required	106.511	09/04/2000
IC003-26	Claimed, No Registration Required	106.511	09/04/2000
IC003-27	Claimed, No Registration Required	106.511	09/04/2000
IC003-4	Claimed, No Registration Required	106.511	09/04/2000
IC004-1	54052	106.511	09/04/2000
IC004-2	54052	106.511	09/04/2000
IC004-3	54052	106.511	09/04/2000
IC004-5	54052	106.511	09/04/2000
IC004-6	54052	106.511	09/04/2000
IC004-7	54052	106.511	09/04/2000
IC004-8	54052	106.511	09/04/2000
LR002	Claimed, No Registration Required	106.472	03/14/1997
SC015	Claimed, No Registration Required	106.433	03/14/1997
ST005B	Claimed, No Registration Required	106.412	09/04/2000
ST005C	Claimed, No Registration Required	106.412	09/04/2000
ST005E	Claimed, No Registration Required	106.472	03/14/1997
ST005F	Claimed, No Registration Required	106.412	09/04/2000
ST005G	Claimed, No Registration Required	106.412	09/04/2000
ST005I	Claimed, No Registration Required	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	Claimed, No Registration Required	106.472	09/04/2000

ST006B	Claimed, No Registration Required	106.412	09/04/2000
ST006C	Claimed, No Registration Required	106.412	09/04/2000
ST006D	Claimed, No Registration Required	106.412	09/04/2000
ST006E	Claimed, No Registration Required	106.412	09/04/2000
ST007A	Claimed, No Registration Required	106.412	09/04/2000
ST007B	Claimed, No Registration Required	106.473	03/14/1997
ST007C	Claimed, No Registration Required	106.412	09/04/2000
ST007D	Claimed, No Registration Required	106.412	09/04/2000
ST007E	Claimed, No Registration Required	106.412	09/04/2000
ST007F	Claimed, No Registration Required	106.412	09/04/2000
ST007G	Claimed, No Registration Required	106.412	09/04/2000
ST008A	Claimed, No Registration Required	106.472	09/04/2000
ST008B	Claimed, No Registration Required	106.472	09/04/2000
ST008C	Claimed, No Registration Required	106.472	09/04/2000
ST008D	Claimed, No Registration Required	106.472	09/04/2000
ST008E	Claimed, No Registration Required	106.472	09/04/2000
ST008F	Claimed, No Registration Required	106.472	09/04/2000
ST008G	Claimed, No Registration Required	106.412	09/04/2000
ST008H	Claimed, No Registration Required	106.472	09/04/2000
ST008I	Claimed, No Registration Required	106.472	09/04/2000

ST008J	Claimed, No Registration Required	106.472	09/04/2000
ST008K	Claimed, No Registration Required	106.472	09/04/2000
ST008L	Claimed, No Registration Required	106.472	09/04/2000
ST008M	Claimed, No Registration Required	106.472	09/04/2000
ST008N	Claimed, No Registration Required	106.472	09/04/2000
ST008O	Claimed, No Registration Required	106.472	09/04/2000
ST008P	Claimed, No Registration Required	106.472	09/04/2000
ST008Q	Claimed, No Registration Required	106.472	09/04/2000
ST008S	Claimed, No Registration Required	106.472	09/04/2000
ST008T	Claimed, No Registration Required	106.472	09/04/2000
ST008U	Claimed, No Registration Required	106.472	09/04/2000
ST008V	Claimed, No Registration Required	106.472	09/04/2000
ST008W	Claimed, No Registration Required	106.472	09/04/2000
ST009A	Claimed, No Registration Required	106.472	09/04/2000
ST009B	Claimed, No Registration Required	106.472	09/04/2000
ST009C	Claimed, No Registration Required	106.472	09/04/2000
ST009D	Claimed, No Registration Required	106.472	09/04/2000
ST009E	Claimed, No Registration Required	106.472	09/04/2000
ST009F	Claimed, No Registration Required	106.472	09/04/2000
ST010A	Claimed, No Registration Required	106.472	09/04/2000

ST010B	Claimed, No Registration Required	106.472	09/04/2000
ST010C	Claimed, No Registration Required	106.472	09/04/2000
WL001	Claimed, No Registration Required	106.227	09/04/2000
WW001	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW002	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW003	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW004	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW007	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW009	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-2/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-3/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-4/EC001	Claimed, No Registration Required	106.183	09/04/2000
Brake Repair Downdraft Table	70022	106.261 & 106.262	08/04/2005
MO007	98846	106.261 & 106.262	11/04/2011
Aerosol Can Crusher	147753	106.261 & 106.262	08/11/2017

Commented [JT1]: BR001 will this suffice for a Unit ID?

Commented [JT2]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for each of them, we can call them CC001 and CC002."

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO79	106.454	03/14/1997
ARO80	106.454	03/14/1997
ARO81	106.454	03/14/1997
ARO82	106.454	03/14/1997
ARO83	106.454	03/14/1997
ARO84	106.454	03/14/1997
ARO85	106.454	03/14/1997
ARO86	106.454	03/14/1997
ARO87	106.454	03/14/1997
ARO88	106.454	03/14/1997
ARO89	106.454	03/14/1997
ARO90	106.454	03/14/1997

EC002	106.183	09/04/2000
EC002	106.495	11/02/2002
FS011A	106.472	03/14/1997
FS011B	106.472	03/14/1997
FS011C	106.472	03/14/1997
FS011	106.412	03/14/1997
FS018	106.412	09/04/2000
FS019A	106.472	09/04/2000
FS019	106.412	09/04/2000
FS020	106.412	09/04/2000
FS021	106.412	09/04/2000
FS022	106.412	09/04/2000
IC001-13	106.511	09/04/2000
IC001-18	106.511	09/04/2000
IC001-21	106.511	09/04/2000
IC001-22	106.511	09/04/2000
IC001-24	106.511	09/04/2000
IC001-25	106.511	09/04/2000
IC001-30	106.511	09/04/2000
IC001-36	106.511	09/04/2000
IC001-43	106.511	09/04/2000

IC001-44	106.511	09/04/2000
IC001-46	106.511	09/04/2000
IC001-47	106.511	09/04/2000
IC001-48	106.511	09/04/2000
IC001-49	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-66	106.511	09/04/2000
IC001-67	106.511	09/04/2000
IC001-69	106.511	09/04/2000
IC001-70	106.511	09/04/2000
IC001-71	106.511	09/04/2000
IC001-72	106.511	09/04/2000
IC001-74	106.511	09/04/2000
IC001-75	106.511	09/04/2000
IC001-76	106.511	09/04/2000
IC001-77	106.511	09/04/2000
IC001-78	106.511	09/04/2000

IC001-79	106.511	09/04/2000
IC001-81	106.511	09/04/2000
IC001-83	106.511	09/04/2000
IC001-84	106.511	09/04/2000
IC001-87	106.511	09/04/2000
IC001-88	106.511	09/04/2000
IC001-9	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000
IC002-13	106.511	09/04/2000
IC002-14	106.511	09/04/2000
IC002-16	106.511	09/04/2000
IC002-17	106.511	09/04/2000
~~IC001-54~~ IC002-18	106.511	09/04/2000
IC003-13	106.511	09/04/2000
IC003-14	106.511	09/04/2000
IC003-16	106.511	09/04/2000
IC003-17	106.511	09/04/2000
IC003-18	106.511	09/04/2000

IC003-19	106.511	09/04/2000
IC003-20	106.511	09/04/2000
IC003-21	106.511	09/04/2000
~~IC003-22~~ IC-DF90140	106.511	09/04/2000
IC003-24	106.511	09/04/2000
IC003-25	106.511	09/04/2000
IC003-26	106.511	09/04/2000
IC003-27	106.511	09/04/2000
IC003-4	106.511	09/04/2000
IC004-1	106.511	09/04/2000
IC004-2	106.511	09/04/2000
IC004-3	106.511	09/04/2000
IC004-5	106.511	09/04/2000
IC004-6	106.511	09/04/2000
IC004-7	106.511	09/04/2000
IC004-8	106.511	09/04/2000
LR002	106.472	03/14/1997
SC015	106.433	03/14/1997
ST005B	106.412	09/04/2000
ST005C	106.412	09/04/2000

ST005E	106.472	03/14/1997
ST005F	106.412	09/04/2000
ST005G	106.412	09/04/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	09/04/2000
ST006B	106.412	09/04/2000
ST006C	106.412	09/04/2000
ST006D	106.412	09/04/2000
ST006E	106.412	09/04/2000
ST007A	106.412	09/04/2000
ST007B	106.473	03/14/1997
ST007C	106.412	09/04/2000
ST007D	106.412	09/04/2000
ST007E	106.412	09/04/2000
ST007F	106.412	09/04/2000
ST007G	106.412	09/04/2000
ST008A	106.472	09/04/2000
ST008B	106.472	09/04/2000
ST008C	106.472	09/04/2000
ST008D	106.472	09/04/2000
ST008E	106.472	09/04/2000

ST008F	106.472	09/04/2000
ST008G	106.412	09/04/2000
ST008H	106.472	09/04/2000
ST008I	106.472	09/04/2000
ST008J	106.472	09/04/2000
ST008K	106.472	09/04/2000
ST008L	106.472	09/04/2000
ST008M	106.472	09/04/2000
ST008N	106.472	09/04/2000
ST008O	106.472	09/04/2000
ST008P	106.472	09/04/2000
ST008Q	106.472	09/04/2000
ST008S	106.472	09/04/2000
ST008T	106.472	09/04/2000
ST008U	106.472	09/04/2000
ST008V	106.472	09/04/2000
ST008W	106.472	09/04/2000
ST009A	106.472	09/04/2000
ST009B	106.472	09/04/2000
ST009C	106.472	09/04/2000
ST009D	106.472	09/04/2000

ST009E	106.472	09/04/2000
ST009F	106.472	09/04/2000
ST010A	106.472	09/04/2000
ST010B	106.472	09/04/2000
ST010C	106.472	09/04/2000
WL001	106.227	09/04/2000
WW001	106.231 & 106.265	09/04/2000
WW002	106.231 & 106.265	09/04/2000
WW003	106.231 & 106.265	09/04/2000
WW004	106.231 & 106.265	09/04/2000
WW007	106.231 & 106.265	09/04/2000
WW009	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	106.183	09/04/2000
BLR36071-2/EC001	106.183	09/04/2000
BLR36071-3/EC001	106.183	09/04/2000
BLR36071-4/EC001	106.183	09/04/2000
HH001	106.265	09/04/2000
CT001	106.371	03/07/2003
CT002	106.371	09/04/2000
ST012	106.412	09/04/2000
SP001	106.418	11/26/1997

ARO00	106.433	09/04/2000
SU002	106.454	03/14/1997
ST014	106.472	09/04/2000
ST016	106.473	09/04/2000
ET001	106.263	08/29/2006
ET003	106.263	08/29/2006
IC001-14	106.511	03/07/2003
IC001-16	106.511	03/07/2003
IC001-5	106.511	03/07/2003
IC001-51	106.511	03/07/2003
IC001-56	106.511	03/07/2003
IC001-65	106.511	03/07/2003
IC001-68	106.511	03/07/2003
IC001-8	106.511	03/07/2003
IC001-82	106.511	03/05/2021
IC001-85	106.511	09/04/2000
IC001-86	106.511	09/04/2000
IC002-1	106.511	03/07/2003
IC002-15	106.511	03/07/2003
IC002-3	106.511	03/07/2003
IC002-4	106.511	03/07/2003

IC002-5	106.511	03/07/2003
IC002-6	106.511	09/04/2000
IC002-7	106.511	03/07/2003
IC002-8	106.511	03/07/2003
IC002-9	106.511	03/07/2003
IC003-10	106.511	03/07/2003
IC003-11	106.511	03/07/2003
IC003-1	106.511	03/07/2003
IC003-5	106.511	09/04/2000
IC003-6	106.511	03/07/2003
IC003-7	106.511	03/07/2003
IC003-8	106.511	03/07/2003
IC003-9	106.511	03/07/2003
MO011	106.262	11/01/2003
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
SC011	106.433	03/14/1997
SC021	106.433	05/19/2015
ST003A	106.412	03/14/1997
SU001	106.454	04/01/2002
SU003	106.261	09/11/2002

Brake Repair Downdraft Table	106.261 & 106.262	08/04/2005
MO007	106.261 & 106.262	11/04/2011
Aerosol Can Crusher	106.261 & 106.262	08/11/2017

Commented [JT3]: BR001 will this suffice for a Unit ID?

Commented [JT4]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for each of them, we can call them CC001 and CC002."

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
1/10/2025	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
CT001	106.371	54052	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

EC002	106.495	52124	Maintain a copy of Section 106.4 and Section 106.495, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.495, the following conditions are met: (1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. (2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator. (3) The combustible material shall contain no halogenated organic compounds. (4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater. (5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period. (6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions. (7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power. (8) The emission of any air contaminant shall not exceed 0.5 pounds per Hour and 2.0 tons per year. Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6

			EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4 EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51

			EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5

			EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-14	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-16	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-51	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-56	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-65	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-68	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-82	106.511	164083	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-85	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-86	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-15	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-3	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-4	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-10	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-11	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

MO011	106.262	81233	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Maintain a copy of Section 106.4, 106.533, and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information

SC021	106.433	13851	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information

ST003A	106.412	24583	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO82	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO84	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO86	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO90	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

EC002	106.183	09/04/2000	Maintain a copy of Section 106.4 and Section 106.183, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6 EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4

			EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5
FS011A	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-22	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-30	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-36	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-43	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-44	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-46	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-47	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-48	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-49	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-53	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-55	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-60	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-61	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-62	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-66	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-67	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-69	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-70		106.511	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-71	09/04/2000	106.511	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-72	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-74	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-75	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-76	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-77	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-78	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-79	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-81	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-83	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-84	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-87	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-88	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-9	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-11	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-12	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

~~IC001-54~~ IC002-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-19	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-20	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

~~IC003-22~~ IC-DF90140	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-26	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-27	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC004-1	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

SC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6
WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

Brake Repair Downdraft Table	106.261 & 106.262	08/04/2005	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track number of brake pads.
MO007	106.261 & 106.262	11/04/2011	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS
Aerosol Can Crusher	106.261 & 106.262	08/11/2017	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Track max cans per day/week. 5% visible emissions for the can crushers. NUMBER OF CANS*OUNCES/CAN*VOC CONTENT Where The number of cans is recorded with date and time by DPW ENV. The VOC content is taken from the SDS

Commented [JT5]: TCEQ stated this is not a valid unit ID. Does this have a unit ID?

Commented [JT6R5]: BR001 will this suffice for a Unit ID?

Commented [JT7]: Per Mike Clark - "There are two aerosol can crushers but they both fall under the MO007 EPN – if we had to create a Unit ID for each of them, we can call them CC001 and CC002."

From: Jim Timmons <jtimmons@olsson.com>
Sent: Wednesday, December 18, 2024 12:14 PM
To: John Walker
Cc: Will Calderon; Clark, Michael N CIV USARMY ID-READINESS (USA); Nick Steinke
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Thank you, Mr. Walker.

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Wednesday, December 18, 2024 11:55 AM
To: Jim Timmons <jtimmons@olsson.com>
Cc: Will Calderon <wcalderon@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Nick Steinke <nsteinke@olsson.com>
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

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Good Afternoon,

My management has approved your request to extend the due date. The new due date is now **01/17/2025.**

Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Jim Timmons <jtimmons@olsson.com>
Sent: Wednesday, December 18, 2024 10:13 AM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Will Calderon <wcalderon@olsson.com>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Nick Steinke <nsteinke@olsson.com>
Subject: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Hello Mr. Walker,

Ft. Cavazos and Olsson are diligently addressing the comments on each Title V application form and responding to the questions from your previous email. We are also making any necessary updates to the information in the forms. However, some of the required information will take longer to gather. Therefore, on behalf of Ft. Cavazos, Olsson respectfully requests an extension to the due date.

Please let me know if you have any questions.

Thank you,

Jim L. Timmons
Project Scientist / Environmental
C 515.867.2767

1717 Ingersoll Avenue, Suite 111
Des Moines, IA 50309
O 515.331.6517

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From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, November 25, 2024 10:24 AM
To: John Walker
Cc: Nick Steinke; Clark, Michael N CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Jim Timmons
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Good morning,

Olsson is confirming receipt of the documents and acknowledgment of the response date of December 20, 2024.

Thank you!

-Will C

From:	John Walker
Sent:	Friday, November 22, 2024 5:22 PM
To:	'Will Calderon'
Cc:	Nick Steinke; Clark, Michael N CIV USARMY ID-READINESS (USA); Elizabeth Moorhead
Subject:	RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos
Attachments:	20241121 Working Draft Permit_FOP O1659_Project 33269.docx; 04-15-2024_OP-SUMR Revised_JWalker comments.docx; 04-15-2024_OP-2 Revised.docx; 07-12-2024_OP-UA3_ Revised.docx; 11-18-2022_ OP-PBRSUP.docx

Good Afternoon,

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application and any updates provided.

Please note that not all information in this working draft permit is accurate as we are still waiting for the following information to be updated. I have not added PBR Registration PBR 54052 as a preconstruction authorization (PCA) for any unit. Also, Unit IDs FS011A, FS011B, FS011C, ST001A, ST001B, and ST001C from the most recent OP-UA3 update for MACT ZZZZ have not been added either. I require additional information for 2 of the units and internal logic to be built for the 4 other units (in progress). I have requested the additional information required for the units below. However, I believe the rest of the permit is as accurate as can be based on what has been provided so far. Please note I made these additional changes to the WDP:

1. All permit shields that had symbols such as “<” or “>” in their negative applicability text have been updated to replace the symbols with “less than” or “greater than” per guidance from TCEQ Management.

2. I removed reference to MACT GG in Permit Term 1.E. since the site is not subject to MACT GG due to not being major for HAPs and having no units subject to MACT GG.

I have also attached the most recent copies of the forms I believe still need to be resolved for reference. I have items listed below in regard to them.

Please review the WDP and submit to me any comments you have regarding it by <u>12/20/2024</u>. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

Please provide the requested information below by **<u>12/20/2024</u>**:

1. Please provide Form OP-UA3 Table 3 for NSPS Kb applicability for Unit IDs ST001A and ST001B. The code “NONE3” was provided for WW TANK Control. “NONE3” is not a valid code but “NONE” is. Was the code “NONE” the intended code? Please confirm.

If the code is intended to be “NONE”, additional codes are required per the Form OP-UA3 Table 3 instructions. A code is required for Maximum TVP and additional codes may be required for Storage vessel description and AMEL ID. No. per the Form OP-UA Form Instructions. I have attached the most recently provided OP-UA3 for reference.

3. Please review my comments on the WDP. I believe Form OP-REQ1 Page 88 for PBRs should be provided to correct the Version No./Date of a PBR. This update should also occur on Form OP-SUMR and OP-2.

4. Please review my comments on the most recent Form OP-SUMR provided (04/15/2024). There were many inconsistencies provided on the Form. Please review my comments and make any necessary corrections. If any additional changes are needed, please provide the appropriate forms. I would ensure that the most recent OP-2 and OP-SUMR are consistent. It seems that changes that occurred throughout the life of the project were not reflected on Form OP-SUMR and outdated information was provided. Please review my comments and confirm. If you have any questions about my comments, please contact me.

5. Please provide an updated Form OP-1 Section VII. for updating the Technical Contact Identifying Information. Based on prior discussions with Mr. Michael Clark, Mr. Clark has replaced Mr. Robert Kennedy as the technical contact.

6. If there are any changes required to Form OP-PBRSUP based on changes made to Form OP-SUMR or any other form, please provide them. I believe we are still waiting on the Form OP-PBRSUP that was requested in my 03/18/2024 email.

   Please ensure that Form OP-PBRSUP is filled out correctly. Any units within the Title V permit that have a PBR as a PCA should be identified on Form OP-PBRSUP. However, there may be many units provided on Form OP-PBRSUP that are not documented in the Title V permit because they have no Title V requirements. Form OP-PBRSUP is a supplemental form for all PBRs used. That said, if there are units on Form OP-PBRSUP that are not documented in the Title V permit because they don’t have Title V requirements, that is perfectly normal. In fact, those units should not be documented on any Title V forms (Forms OP-2, OP-SUMR, etc.), however, if you want them documented on Form OP-2 that is fine. One revision line item stating you are adding units to Form OP-PBRSUP is acceptable.

7. Please provide a status update for the ongoing resolution of issues identified with PBR Registration No. 54052.

Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response.

After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1. This form will be requested at a later date.

If you choose to submit your application updates through STEERS, please notify me when these updates have been submitted.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 03/14/1997
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/09/1998
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.313	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 11/26/1997
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 03/14/1997
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.495	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.533	Version No./Date: 03/14/1997
Number: 106.533	Version No./Date: 11/01/2001
Number: 107	Version No./Date: 05/04/1994
Number: 107	Version No./Date: 06/07/1996
Number: 110	Version No./Date: 09/12/1989
Number: 113	Version No./Date: 10/04/1995
Number: 124	Version No./Date: 05/04/1994
Number: 124	Version No./Date: 06/07/1996

Commented [JW1]: Not a valid PBR Version No./Effective Date. Please provide an updated Form OP-REQ1 Page 88 for PBRs with the correct version no./date.

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ARO65	TOUCHUP TOPCOAT OPERATION, BLDG 707	70/06/07/1996
ARO66	TOUCHUP TOPCOAT OPERATION, BLDG 708	70/06/07/1996
ARO67	TOUCHUP TOPCOAT OPERATION, BLDG 7027	70/06/07/1996
BLR36071-1	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-2	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-3	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
BLR36071-4	STEAM BOILERS - BLDG 36071	106.183/09/04/2000
COMPREP	COMPOSITE SITE OPERATIONS	113/10/04/1995
ET001	JET ENGINE TESTING	106.263/09/09/1998
ET003	VEHICLE ENGINE TESTING	106.263/09/09/1998
FS011	YDAHP F-24 FUELING STATION	106.412/03/14/1997
FS011A	YDAHP F-24 STORAGE TANK A	106.472/03/14/1997
FS011B	YDAHP F-24 STORAGE TANK B	106.472/03/14/1997
FS011C	YDAHP F-24 STORAGE TANK C	106.472/03/14/1997
FS018	LRC FUELING STATION - BIODIESEL	106.412/09/04/2000
FS018A	LRC TANK FARM DIESEL STORAGE TANK A	51/11/05/1986
FS019	LRC FUELING STATION - E-85 GASOLINE	106.412/09/04/2000
FS019A	LRC FUELING STATION E-85 STORAGE TANK A	106.472/09/04/2000
FS020	NFC FUELING STATION	106.412/09/04/2000
FS021	SPLIT TANK GASOLINE FUELING STATION	106.412/09/04/2000
FS022	SPLIT TANK DIESEL FUELING STATION	106.412/09/04/2000

Commented [JW2]: Not a valid PBR Version No./Effective Date.

Commented [JW3]: Not a valid PBR Version No./Effective Date.

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
CT001	54052	106.371	03/07/2003
EC002	52124	106.495	11/02/2002
EC002	Claimed, No Registration Required	106.183	09/04/2000
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
IC001-14	54052	106.511	03/07/2003
IC001-16	54052	106.511	03/07/2003

IC001-5	54052	106.511	03/07/2003
IC001-51	54052	106.511	03/07/2003
IC001-56	54052	106.511	03/07/2003
IC001-65	54052	106.511	03/07/2003
IC001-68	54052	106.511	03/07/2003
IC001-8	54052	106.511	03/07/2003
IC001-82	164083	106.511	03/05/2021
IC001-85	Claimed, No Registration Required	106.511	09/04/2000
IC001-86	Claimed, No Registration Required	106.511	09/04/2000
IC002-1	54052	106.511	03/07/2003
IC002-15	54052	106.511	03/07/2003
IC002-3	54052	106.511	03/07/2003
IC002-4	54052	106.511	03/07/2003
IC002-5	54052	106.511	03/07/2003
IC002-6	54052	106.511	09/04/2000
IC002-7	54052	106.511	03/07/2003
IC002-8	54052	106.511	03/07/2003
IC002-9	54052	106.511	03/07/2003
IC003-10	54052	106.511	03/07/2003
IC003-11	54052	106.511	03/07/2003

IC003-1	54052	106.511	03/07/2003
IC003-5	54052	106.511	09/04/2000
IC003-6	54052	106.511	03/07/2003
IC003-7	54052	106.511	03/07/2003
IC003-8	54052	106.511	03/07/2003
IC003-9	54052	106.511	03/07/2003
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC021	131851	106.433	05/19/2015
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
HH001	Claimed, No Registration Required	106.265	09/04/2000
CT002	54052	106.371	09/04/2000
ST012	Claimed, No Registration Required	106.412	09/04/2000
SP001	Claimed, No Registration Required	106.418	11/26/1997
ARO00	24538	106.433	09/04/2000
SU002	Claimed, No Registration Required	106.454	03/14/1997

ST014	Claimed, No Registration Required	106.472	09/04/2000
ST016	Claimed, No Registration Required	106.473	09/04/2000
ARO79	50528	106.454	03/14/1997
ARO80	50528	106.454	03/14/1997
ARO81	50528	106.454	03/14/1997
ARO82	50528	106.454	03/14/1997
ARO83	50528	106.454	03/14/1997
ARO84	50528	106.454	03/14/1997
ARO85	50528	106.454	03/14/1997
ARO86	50528	106.454	03/14/1997
ARO87	50528	106.454	03/14/1997
ARO88	50528	106.454	03/14/1997
ARO89	50528	106.454	03/14/1997
ARO90	50528	106.454	03/14/1997
FS011A	Claimed, No Registration Required	106.472	03/14/1997
FS011B	Claimed, No Registration Required	106.472	03/14/1997
FS011C	Claimed, No Registration Required	106.472	03/14/1997
FS011	Claimed, No Registration Required	106.412	03/14/1997
FS018	Claimed, No Registration Required	106.412	09/04/2000
FS019A	Claimed, No Registration Required	106.472	09/04/2000

FS019	Claimed, No Registration Required	106.412	09/04/2000
FS020	Claimed, No Registration Required	106.412	09/04/2000
FS021	Claimed, No Registration Required	106.412	09/04/2000
FS022	Claimed, No Registration Required	106.412	09/04/2000
IC001-13	Claimed, No Registration Required	106.511	09/04/2000
IC001-18	Claimed, No Registration Required	106.511	09/04/2000
IC001-21	Claimed, No Registration Required	106.511	09/04/2000
IC001-22	Claimed, No Registration Required	106.511	09/04/2000
IC001-24	54052	106.511	09/04/2000
IC001-25	Claimed, No Registration Required	106.511	09/04/2000
IC001-30	Claimed, No Registration Required	106.511	09/04/2000
IC001-36	54052	106.511	09/04/2000
IC001-43	Claimed, No Registration Required	106.511	09/04/2000
IC001-44	Claimed, No Registration Required	106.511	09/04/2000
IC001-46	Claimed, No Registration Required	106.511	09/04/2000
IC001-47	Claimed, No Registration Required	106.511	09/04/2000
IC001-48	Claimed, No Registration Required	106.511	09/04/2000
IC001-49	Claimed, No Registration Required	106.511	09/04/2000
IC001-53	Claimed, No Registration Required	106.511	09/04/2000
IC001-55	Claimed, No Registration Required	106.511	09/04/2000

IC001-60	Claimed, No Registration Required	106.511	09/04/2000
IC001-61	Claimed, No Registration Required	106.511	09/04/2000
IC001-62	Claimed, No Registration Required	106.511	09/04/2000
IC001-66	Claimed, No Registration Required	106.511	09/04/2000
IC001-67	Claimed, No Registration Required	106.511	09/04/2000
IC001-69	Claimed, No Registration Required	106.511	09/04/2000
IC001-70	Claimed, No Registration Required	106.511	09/04/2000
IC001-71	Claimed, No Registration Required	106.511	09/04/2000
IC001-72	Claimed, No Registration Required	106.511	09/04/2000
IC001-74	Claimed, No Registration Required	106.511	09/04/2000
IC001-75	Claimed, No Registration Required	106.511	09/04/2000
IC001-76	Claimed, No Registration Required	106.511	09/04/2000
IC001-77	Claimed, No Registration Required	106.511	09/04/2000
IC001-78	Claimed, No Registration Required	106.511	09/04/2000
IC001-79	Claimed, No Registration Required	106.511	09/04/2000
IC001-81	Claimed, No Registration Required	106.511	09/04/2000
IC001-83	Claimed, No Registration Required	106.511	09/04/2000
IC001-84	Claimed, No Registration Required	106.511	09/04/2000
IC001-87	Claimed, No Registration Required	106.511	09/04/2000
IC001-88	Claimed, No Registration Required	106.511	09/04/2000

IC001-9	54052	106.511	09/04/2000
IC002-10	Claimed, No Registration Required	106.511	09/04/2000
IC002-11	Claimed, No Registration Required	106.511	09/04/2000
IC002-12	Claimed, No Registration Required	106.511	09/04/2000
IC002-13	Claimed, No Registration Required	106.511	09/04/2000
IC002-14	Claimed, No Registration Required	106.511	09/04/2000
IC002-16	Claimed, No Registration Required	106.511	09/04/2000
IC002-17	Claimed, No Registration Required	106.511	09/04/2000
~~IC001-54~~ IC002-18	Claimed, No Registration Required	106.511	09/04/2000
IC003-13	Claimed, No Registration Required	106.511	09/04/2000
IC003-14	54052	106.511	09/04/2000
IC003-16	Claimed, No Registration Required	106.511	09/04/2000
IC003-17	Claimed, No Registration Required	106.511	09/04/2000
IC003-18	Claimed, No Registration Required	106.511	09/04/2000
IC003-19	Claimed, No Registration Required	106.511	09/04/2000
IC003-20	Claimed, No Registration Required	106.511	09/04/2000
IC003-21	Claimed, No Registration Required	106.511	09/04/2000
~~IC003-22~~ IC-DF90140	Claimed, No Registration Required	106.511	09/04/2000
IC003-24	Claimed, No Registration Required	106.511	09/04/2000

IC003-25	Claimed, No Registration Required	106.511	09/04/2000
IC003-26	Claimed, No Registration Required	106.511	09/04/2000
IC003-27	Claimed, No Registration Required	106.511	09/04/2000
IC003-4	Claimed, No Registration Required	106.511	09/04/2000
IC004-1	54052	106.511	09/04/2000
IC004-2	54052	106.511	09/04/2000
IC004-3	54052	106.511	09/04/2000
IC004-5	54052	106.511	09/04/2000
IC004-6	54052	106.511	09/04/2000
IC004-7	54052	106.511	09/04/2000
IC004-8	54052	106.511	09/04/2000
LR002	Claimed, No Registration Required	106.472	03/14/1997
SC015	Claimed, No Registration Required	106.433	03/14/1997
ST005B	Claimed, No Registration Required	106.412	09/04/2000
ST005C	Claimed, No Registration Required	106.412	09/04/2000
ST005E	Claimed, No Registration Required	106.472	03/14/1997
ST005F	Claimed, No Registration Required	106.412	09/04/2000
ST005G	Claimed, No Registration Required	106.412	09/04/2000
ST005I	Claimed, No Registration Required	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	Claimed, No Registration Required	106.472	09/04/2000

ST006B	Claimed, No Registration Required	106.412	09/04/2000
ST006C	Claimed, No Registration Required	106.412	09/04/2000
ST006D	Claimed, No Registration Required	106.412	09/04/2000
ST006E	Claimed, No Registration Required	106.412	09/04/2000
ST007A	Claimed, No Registration Required	106.412	09/04/2000
ST007B	Claimed, No Registration Required	106.473	03/14/1997
ST007C	Claimed, No Registration Required	106.412	09/04/2000
ST007D	Claimed, No Registration Required	106.412	09/04/2000
ST007E	Claimed, No Registration Required	106.412	09/04/2000
ST007F	Claimed, No Registration Required	106.412	09/04/2000
ST007G	Claimed, No Registration Required	106.412	09/04/2000
ST008A	Claimed, No Registration Required	106.472	09/04/2000
ST008B	Claimed, No Registration Required	106.472	09/04/2000
ST008C	Claimed, No Registration Required	106.472	09/04/2000
ST008D	Claimed, No Registration Required	106.472	09/04/2000
ST008E	Claimed, No Registration Required	106.472	09/04/2000
ST008F	Claimed, No Registration Required	106.472	09/04/2000
ST008G	Claimed, No Registration Required	106.412	09/04/2000
ST008H	Claimed, No Registration Required	106.472	09/04/2000
ST008I	Claimed, No Registration Required	106.472	09/04/2000

ST008J	Claimed, No Registration Required	106.472	09/04/2000
ST008K	Claimed, No Registration Required	106.472	09/04/2000
ST008L	Claimed, No Registration Required	106.472	09/04/2000
ST008M	Claimed, No Registration Required	106.472	09/04/2000
ST008N	Claimed, No Registration Required	106.472	09/04/2000
ST008O	Claimed, No Registration Required	106.472	09/04/2000
ST008P	Claimed, No Registration Required	106.472	09/04/2000
ST008Q	Claimed, No Registration Required	106.472	09/04/2000
ST008S	Claimed, No Registration Required	106.472	09/04/2000
ST008T	Claimed, No Registration Required	106.472	09/04/2000
ST008U	Claimed, No Registration Required	106.472	09/04/2000
ST008V	Claimed, No Registration Required	106.472	09/04/2000
ST008W	Claimed, No Registration Required	106.472	09/04/2000
ST009A	Claimed, No Registration Required	106.472	09/04/2000
ST009B	Claimed, No Registration Required	106.472	09/04/2000
ST009C	Claimed, No Registration Required	106.472	09/04/2000
ST009D	Claimed, No Registration Required	106.472	09/04/2000
ST009E	Claimed, No Registration Required	106.472	09/04/2000
ST009F	Claimed, No Registration Required	106.472	09/04/2000
ST010A	Claimed, No Registration Required	106.472	09/04/2000

ST010B	Claimed, No Registration Required	106.472	09/04/2000
ST010C	Claimed, No Registration Required	106.472	09/04/2000
WL001	Claimed, No Registration Required	106.227	09/04/2000
WW001	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW002	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW003	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW004	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW007	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW009	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-2/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-3/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-4/EC001	Claimed, No Registration Required	106.183	09/04/2000

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO79	106.454	03/14/1997
ARO80	106.454	03/14/1997
ARO81	106.454	03/14/1997
ARO82	106.454	03/14/1997
ARO83	106.454	03/14/1997
ARO84	106.454	03/14/1997
ARO85	106.454	03/14/1997
ARO86	106.454	03/14/1997
ARO87	106.454	03/14/1997
ARO88	106.454	03/14/1997
ARO89	106.454	03/14/1997
ARO90	106.454	03/14/1997

EC002	106.183	09/04/2000
EC002	106.495	11/02/2002
FS011A	106.472	03/14/1997
FS011B	106.472	03/14/1997
FS011C	106.472	03/14/1997
FS011	106.412	03/14/1997
FS018	106.412	09/04/2000
FS019A	106.472	09/04/2000
FS019	106.412	09/04/2000
FS020	106.412	09/04/2000
FS021	106.412	09/04/2000
FS022	106.412	09/04/2000
IC001-13	106.511	09/04/2000
IC001-18	106.511	09/04/2000
IC001-21	106.511	09/04/2000
IC001-22	106.511	09/04/2000
IC001-24	106.511	09/04/2000
IC001-25	106.511	09/04/2000
IC001-30	106.511	09/04/2000
IC001-36	106.511	09/04/2000
IC001-43	106.511	09/04/2000

IC001-44	106.511	09/04/2000
IC001-46	106.511	09/04/2000
IC001-47	106.511	09/04/2000
IC001-48	106.511	09/04/2000
IC001-49	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-66	106.511	09/04/2000
IC001-67	106.511	09/04/2000
IC001-69	106.511	09/04/2000
IC001-70	106.511	09/04/2000
IC001-71	106.511	09/04/2000
IC001-72	106.511	09/04/2000
IC001-74	106.511	09/04/2000
IC001-75	106.511	09/04/2000
IC001-76	106.511	09/04/2000
IC001-77	106.511	09/04/2000
IC001-78	106.511	09/04/2000

IC001-79	106.511	09/04/2000
IC001-81	106.511	09/04/2000
IC001-83	106.511	09/04/2000
IC001-84	106.511	09/04/2000
IC001-87	106.511	09/04/2000
IC001-88	106.511	09/04/2000
IC001-9	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000
IC002-13	106.511	09/04/2000
IC002-14	106.511	09/04/2000
IC002-16	106.511	09/04/2000
IC002-17	106.511	09/04/2000
~~IC001-54~~ IC002-18	106.511	09/04/2000
IC003-13	106.511	09/04/2000
IC003-14	106.511	09/04/2000
IC003-16	106.511	09/04/2000
IC003-17	106.511	09/04/2000
IC003-18	106.511	09/04/2000

IC003-19	106.511	09/04/2000
IC003-20	106.511	09/04/2000
IC003-21	106.511	09/04/2000
~~IC003-22~~ IC-DF90140	106.511	09/04/2000
IC003-24	106.511	09/04/2000
IC003-25	106.511	09/04/2000
IC003-26	106.511	09/04/2000
IC003-27	106.511	09/04/2000
IC003-4	106.511	09/04/2000
IC004-1	106.511	09/04/2000
IC004-2	106.511	09/04/2000
IC004-3	106.511	09/04/2000
IC004-5	106.511	09/04/2000
IC004-6	106.511	09/04/2000
IC004-7	106.511	09/04/2000
IC004-8	106.511	09/04/2000
LR002	106.472	03/14/1997
SC015	106.433	03/14/1997
ST005B	106.412	09/04/2000
ST005C	106.412	09/04/2000

ST005E	106.472	03/14/1997
ST005F	106.412	09/04/2000
ST005G	106.412	09/04/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	09/04/2000
ST006B	106.412	09/04/2000
ST006C	106.412	09/04/2000
ST006D	106.412	09/04/2000
ST006E	106.412	09/04/2000
ST007A	106.412	09/04/2000
ST007B	106.473	03/14/1997
ST007C	106.412	09/04/2000
ST007D	106.412	09/04/2000
ST007E	106.412	09/04/2000
ST007F	106.412	09/04/2000
ST007G	106.412	09/04/2000
ST008A	106.472	09/04/2000
ST008B	106.472	09/04/2000
ST008C	106.472	09/04/2000
ST008D	106.472	09/04/2000
ST008E	106.472	09/04/2000

ST008F	106.472	09/04/2000
ST008G	106.412	09/04/2000
ST008H	106.472	09/04/2000
ST008I	106.472	09/04/2000
ST008J	106.472	09/04/2000
ST008K	106.472	09/04/2000
ST008L	106.472	09/04/2000
ST008M	106.472	09/04/2000
ST008N	106.472	09/04/2000
ST008O	106.472	09/04/2000
ST008P	106.472	09/04/2000
ST008Q	106.472	09/04/2000
ST008S	106.472	09/04/2000
ST008T	106.472	09/04/2000
ST008U	106.472	09/04/2000
ST008V	106.472	09/04/2000
ST008W	106.472	09/04/2000
ST009A	106.472	09/04/2000
ST009B	106.472	09/04/2000
ST009C	106.472	09/04/2000
ST009D	106.472	09/04/2000

ST009E	106.472	09/04/2000
ST009F	106.472	09/04/2000
ST010A	106.472	09/04/2000
ST010B	106.472	09/04/2000
ST010C	106.472	09/04/2000
WL001	106.227	09/04/2000
WW001	106.231 & 106.265	09/04/2000
WW002	106.231 & 106.265	09/04/2000
WW003	106.231 & 106.265	09/04/2000
WW004	106.231 & 106.265	09/04/2000
WW007	106.231 & 106.265	09/04/2000
WW009	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	106.183	09/04/2000
BLR36071-2/EC001	106.183	09/04/2000
BLR36071-3/EC001	106.183	09/04/2000
BLR36071-4/EC001	106.183	09/04/2000
HH001	106.265	09/04/2000
CT001	106.371	03/07/2003
CT002	106.371	09/04/2000
ST012	106.412	09/04/2000
SP001	106.418	11/26/1997

ARO00	106.433	09/04/2000
SU002	106.454	03/14/1997
ST014	106.472	09/04/2000
ST016	106.473	09/04/2000
ET001	106.263	08/29/2006
ET003	106.263	08/29/2006
IC001-14	106.511	03/07/2003
IC001-16	106.511	03/07/2003
IC001-5	106.511	03/07/2003
IC001-51	106.511	03/07/2003
IC001-56	106.511	03/07/2003
IC001-65	106.511	03/07/2003
IC001-68	106.511	03/07/2003
IC001-8	106.511	03/07/2003
IC001-82	106.511	03/05/2021
IC001-85	106.511	09/04/2000
IC001-86	106.511	09/04/2000
IC002-1	106.511	03/07/2003
IC002-15	106.511	03/07/2003
IC002-3	106.511	03/07/2003
IC002-4	106.511	03/07/2003

IC002-5	106.511	03/07/2003
IC002-6	106.511	09/04/2000
IC002-7	106.511	03/07/2003
IC002-8	106.511	03/07/2003
IC002-9	106.511	03/07/2003
IC003-10	106.511	03/07/2003
IC003-11	106.511	03/07/2003
IC003-1	106.511	03/07/2003
IC003-5	106.511	09/04/2000
IC003-6	106.511	03/07/2003
IC003-7	106.511	03/07/2003
IC003-8	106.511	03/07/2003
IC003-9	106.511	03/07/2003
MO011	106.262	11/01/2003
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
SC011	106.433	03/14/1997
SC021	106.433	05/19/2015
ST003A	106.412	03/14/1997
SU001	106.454	04/01/2002
SU003	106.261	09/11/2002

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
CT001	106.371	54052	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

EC002	106.495	52124	Maintain a copy of Section 106.4 and Section 106.495, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.495, the following conditions are met: (1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. (2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator. (3) The combustible material shall contain no halogenated organic compounds. (4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater. (5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period. (6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions. (7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power. (8) The emission of any air contaminant shall not exceed 0.5 pounds per Hour and 2.0 tons per year. Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6

			EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4 EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51

			EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5

			EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-14	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-16	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-51	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-56	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-65	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-68	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-82	106.511	164083	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-85	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-86	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-15	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-3	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-4	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-10	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-11	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

MO011	106.262	81233	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Maintain a copy of Section 106.4, 106.533, and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information

SC021	106.433	13851	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information

ST003A	106.412	24583	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO82	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO84	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO86	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO90	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

EC002	106.183	09/04/2000	Maintain a copy of Section 106.4 and Section 106.183, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6 EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4

			EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5
FS011A	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-22	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-30	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-36	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-43	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-44	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-46	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-47	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-48	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-49	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-53	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-55	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-60	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-61	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-62	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-66	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-67	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-69	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-70		106.511	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-71	09/04/2000	106.511	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-72	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-74	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-75	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-76	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-77	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-78	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-79	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-81	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-83	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-84	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-87	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-88	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-9	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-11	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-12	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

~~IC001-54~~ IC002-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-19	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-20	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

~~IC003-22~~ IC-DF90140	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-26	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-27	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC004-1	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

SC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6
WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS021A	60Kb-1	GASTN	10K-20K	IFR		NONE3				
FS022A	60Kb-1	PTLQ-3	10K-20K	IFR		NONE3				
~~ST001A~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001B~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001C~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-					
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-					
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-					
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS011A	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		

FS011C	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE3				~~NONE~~		
ST001B	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE3				~~NONE~~		
ST001C	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
~~A~~	~~41~~	~~IC001-13~~	~~OP-UA2~~	~~NEC REMOTE SERVICE CENTER BLDG 338~~		~~106.511/09/04/2000[54052]~~	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
D	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

Commented [JW1]: The strikeout of this revision item is conflicting with revision 41 on Form OP-2. Please clarify intent.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
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Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE F~~H~~CFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE F~~H~~CFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	100	IC002-17	OP-UA2	WF~~H~~C SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
D	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

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Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	111	IC004-1	OP-UA2	4SLB ENGINE F~~H~~CFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE F~~H~~CFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE YDAHP BLDG 7004		106.512/06/13/2001[54052]	

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Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		106.433/02/28/2019[24538]	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		106.433/02/28/2019[24538]	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		106.433/02/28/2019[24538]	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		106.433/02/28/2019[24538]	
A	137	SC016	OP-UA1	COMPOSITE SITE OPERATIONS		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW2]: For Unit IDs SC004, SC005, SC006, and SC007 (revision items 121, 123, 125, and 127), PBR Registration No. 24538 was provided however there is no PBR Registration No. 24538. There is a NSR permit 24538. I have left the preconstruction authorization as NSR 24538.

Should PBR 106.433 also be documented as a preconstruction authorization for these units? Please look at the OP-SUM excel sheet because the other SC* units also have NSR 24538 documented as a PCA, though some have PBR 106.433.

Commented [JW3]: There is no revision 137 on the April 15, 2024 OP-2. I believe this was changed at another date. I am unsure of where this unit came from.

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	~~DS2~~AMCOM WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

Commented [JW4]: Description goes over character limit. Kept "DS2", which also matches WW005 in revision item 153.

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036		106.495/11/02/2002[52888]	
A	153	ET001	OP-UA1	JET ENGINE TESTING		106.263/08/29/2006[79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING		106.263/08/29/2006[79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/03/07/2003[54052]	
~~A~~	~~153~~	~~IC001-16~~	~~OP-UA2~~	~~DIESEL ENGINE GRANGER LAKE BLDG GRL03~~		~~106.511/03/07/2003[54052]~~	
~~A~~	~~153~~	~~IC001-5~~	~~OP-UA2~~	~~FHFD STATION #5 DIESEL IC EQUIPMENT < 600HP, BLDG 52940~~		~~106.511/03/07/2003[54052]~~	
A	153	IC001-51	OP-UA2	DIESEL ENGINE ~~DOL~~LRC ADMIN BLDG 89010		106.511/03/07/2003[54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251		106.511/03/07/2003[54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067		106.511/03/07/2003[54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022		106.511/03/07/2003[54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, F~~H~~C CMNI, BLDG 90500		106.511/03/07/2003[54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR		106.511/03/05/2021[54052]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	

Commented [JW5]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JW6]: This unit does not exist in the permit and no OP-UA13 was provided.

Commented [JW7]: For Unit IDs ET001 and ET003, this is not a valid PBR Version No./Effective Date.

Commented [JW8]: Not a valid Version No./Date and conflicts with information provided in revision #42 on Form OP-SUMR.

Commented [JW9]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JW10]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JW11]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JW12]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JW13]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

Commented [JW14]: In revision #91, the PBR Registration No. 164083 was provided but here it is 54052. Please confirm the correct PBR Registration No.

	153	IC002-1	OP-UA2	COLD STORAGE DIESEL IC EQUIPMENT > 600HP, BLDG 89100A		106.511/03/07/2003[54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13		106.511/03/07/2003[54052]	
	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012		106.511/03/07/2003[54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001		106.511/03/07/2003[54052]	
	~~153~~	~~IC003-10~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #1 BLDG 29017~~		~~106.511/03/07/2003[54052]~~	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078		106.511/03/07/2003[54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612		106.511/03/07/2003[54052]	
	~~153~~	~~IC003-5~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #5 NORTH BLDG 56304~~		~~106.511/09/04/2000[54052]~~	
	~~153~~	~~IC003-6~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #2 BLDG 4304~~		~~106.511/03/07/2003[54052]~~	
	153	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	

Commented [JW16]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm.

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Commented [JW21]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm

Commented [JW22]: Not a valid Version No./Date. I have left it as 09/04/2000. Please confirm

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	153	IC003-9	OP-UA2	4SLB ENGINE NEC RSC #3 BLDG 11002		106.511/03/07/2003[54052]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.533/03/14/1997[41479]	
	153	MO006	OP-UA1	FUEL TANKER CLEANING OPERATIONS-BLDG 1949		106.262/10/12/2005[76961]	
	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060		106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041		106.433/05/19/2015[131851]	
	153	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	153	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	153	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	153	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	153	SU001	OP-UA16	433 DEGREASER SITE-WIDE		106.454/04/01/2002[50528]	

Commented [JW28]: This was requested to be deleted in revision #168

Commented [JW29]: Not a valid Version No./Date. I have interpreted it as 09/04/2000. Please confirm.

Commented [JW30]: Unit is on OP-UA4

Commented [JW31]: Not a valid Version No./Effective Date. I have left it as 03/14/1997.

Commented [JW32]: Not a valid Version No./Effective date. I have left it as 09/04/2000. Please confirm.

Commented [JW33]: Not a valid PBR Registration No.

Commented [JW34]: Group ID SU001 (which included many ARO** units) was removed from the permit due to the site not being major for HAPS as stated in 11/3/2023 email.

	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949		106.261/09/11/2002[52124]	
	153	ARO10A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO10B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO16A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO16B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO17A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO17B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO18A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO18B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO19A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO19B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO1A	OP-UA1	HAND-WIPE CLEANING OPERATION BLDG 6978		124/05/04/1994	
	153	ARO1B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6978		70/11/05/1986	
	153	ARO20A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO20B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	

Commented [JW35]: Refer to comment for SU001. All ARO** units except for ARO65, ARO66, and ARO67 should be removed since they are no longer in the permit, or have a "D" in the action indicator column.

	153	ARO21A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO21B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO25A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO25B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO28	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO29	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO2A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		124/05/04/1994	
	153	ARO2B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO30	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90033		41/11/25/1985[50528]	
	153	ARO31	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90051		46/05/08/1972[50528]	
	153	ARO32	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 90098		107/05/04/1994[50528]	
	153	ARO33	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90098		41/11/05/1986[50528]	
	153	ARO34	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 90051		107/05/04/1994[50528]	

	153	ARO35	OP-UA1	ENGINE CLEANING BY FLUSHING, BLDG. 90051		46/05/08/1972[50528]	
	153	ARO36	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 6940		107/05/04/1994[50528]	
	153	ARO37	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7007		107/05/04/1994[50528]	
	153	ARO38	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7021		107/05/04/1994[50528]	
	153	ARO39	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7022		107/05/04/1994[50528]	
	153	ARO3A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		124/05/04/1994	
	153	ARO3B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		80/09/17/1973	
	153	ARO42	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7013		107/05/04/1994[50528]	
	153	ARO43A	OP-UA1	HAND WIPE CLEAINING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO43B	OP-UA1	HAND WIPE CLEANING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO44A	OP-UA1	HAND WIPE CLEAINING, BLDG 90094		70/11/05/1986	
	153	ARO44B	OP-UA1	HAND WIPE CLEANING, BLDG 90094 (AVIM)		70/11/05/1986	
	153	ARO45A	OP-UA1	HAND WIPE CLEAINING, BLDG 707		124/05/04/1994	
	153	ARO45B	OP-UA1	HAND WIPE CLEANING, BLDG 707		124/05/04/1994	
	153	ARO46A	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	

	153	ARO46B	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	
	153	ARO47A	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO47B	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO48A	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO48B	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO49A	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO49B	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO4A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		124/05/04/1994	
	153	ARO4B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		70/11/05/1986	
	153	ARO5A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		124/05/04/1994	
	153	ARO5B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		80/09/23/1982	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707		70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708		70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027		70/06/07/1996	
	153	ARO68	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	

	153	ARO69	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	
	153	ARO6A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO6B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO70	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6978		41/06/07/1996[50528]	
	153	ARO71	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7012/7013		41/06/07/1996[50528]	
	153	ARO72	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7021		41/06/07/1996[50528]	
	153	ARO73	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7022		41/06/07/1996[50528]	
	153	ARO74	OP-UA1	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)		41/06/07/1996[50528]	
	153	ARO75	OP-UA1	ENGINE FLUSH CLEANING, BLDG 707		41/06/07/1996[50528]	
	153	ARO76	OP-UA1	ENGINE FLUSH CLEANING, BLDG 708		41/06/07/1996[50528]	
	153	ARO77	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6972		41/06/07/1996[50528]	
	153	ARO78	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7027		41/06/07/1996[50528]	
	153	ARO79	OP-UA16	COLD PARTS WASHING, BLDG 6940 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO7A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
	153	ARO7B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	

	153	ARO80	OP-UA16	COLD PARTS WASHING, BLDG 6970		106.454/03/14/1997[50528]	
	153	ARO81	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO82	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO83	OP-UA16	COLD PARTS WASHING, BLDG 6978		106.454/03/14/1997[50528]	
	153	ARO84	OP-UA16	COLD PARTS WASHING, BLDG 90094		106.454/03/14/1997[50528]	
	153	ARO85	OP-UA16	COLD PARTS WASHING, BLDG 90094 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO86	OP-UA16	COLD PARTS WASHING, BLDG 707		106.454/03/14/1997[50528]	
	153	ARO87	OP-UA16	COLD PARTS WASHING, BLDG 708		106.454/03/14/1997[50528]	
	153	ARO88	OP-UA16	COLD PARTS WASHING, BLDG 7012		106.454/03/14/1997[50528]	
	153	ARO89	OP-UA16	COLD PARTS WASHING, BLDG 7027		106.454/03/14/1997[50528]	
	153	ARO8A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO8B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO90	OP-UA16	COLD PARTS WASHING, BLDG 88027		106.454/03/14/1997[50528]	
	153	EC002	OP-UA1	SITE-WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
	153	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	

Commented [JW36]: This group ID was requested to be removed in various revision on OP-2 (BOILER units were removed).

	153	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	153	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	153	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	153	FS018A	OP-UA3	~~DOL~~LRC TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	FS018	OP-UA4	~~DOL~~LRC FUELING STATION - BIODIESEL		106.412/09/04/2000	
	153	FS019A	OP-UA3	~~DOL~~LRC FUELING STATION E-85 STORAGE TANK A		106.472/09/04/2000	
	153	FS019	OP-UA4	~~DOL~~LRC FUELING STATION - E-85 GASOLINE		106.412/09/04/2000	
	153	FS020	OP-UA4	~~NFH~~ NFC FUELING STATION		106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION		106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION		106.412/09/04/2000	
~~A~~	~~153~~	~~IC001-13~~	~~OP-UA2~~	~~NEC REMOTE SERVICE CENTER BLDG 338~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-~~WFH~~WFC CLARK GATE BLDG 70017		106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		106.511/09/04/2000[54052]	
	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		106.511/09/04/2000[54052]	
	~~153~~	~~IC001-24~~	~~OP-UA2~~	~~DIESEL ENGINE RGAAF PRECISION APPROACH RADAR BLDG 90244~~		~~106.511/09/04/2000[54052]~~	

	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		106.511/09/04/2000[54052]	
	153	IC001-43	OP-UA2	DIESEL ENGINE F~~H~~CFD - STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155		106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083		106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE ~~DOL~~LRC MAINFRAME BLDG 88037		106.511/09/04/2000[54052]	
	153	IC001-54	OP-UA2	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	IC001-55	OP-UA2	DIESEL ENGINE F~~H~~CFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177		106.511/09/04/2000[54052]	
	~~153~~	~~IC001-61~~	~~OP-UA2~~	~~DIESEL ENGINE FIRE PUMP #2 BLDG 90177~~		~~106.511/09/04/2000[54052]~~	

Commented [JW37]: Unit ID no longer exists and was changed to IC002-18

	~~153~~	~~IC001-62~~	~~OP-UA2~~	~~DIESEL ENGINE FIRE PUMP #3 BLDG 90177~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE		106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040		106.511/09/04/2000[54052]	
	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670		106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154		106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149		106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	

A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010		106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012		106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #1, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #2, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #3, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #4, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	~~WFH~~WFC SCIF BLDG 90087		106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE F~~H~~CFD - RGAAF BLDG 90145		106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048		106.511/09/04/2000[54052]	

Commented [JW38]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #1"

Commented [JW39]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #2"

Commented [JW40]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #3"

Commented [JW41]: Goes beyond character limit, have left it as "DIESEL ENGINE EMERGENCY GENERATOR DAMC #4"

	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031		106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		106.511/09/04/2000[54052]	
	~~153~~	~~IC003-20~~	~~OP-UA2~~	~~4SRB ENGINE NEC RSC #7 BLDG 88075~~		~~106.511/09/04/2000[54052]~~	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	153	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
A	153	IC003-27	OP-UA2	~~NFH~~NFC EOC BLDG 56506		106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016		106.511/09/04/2000[54052]	
	~~153~~	~~IC004-1~~	~~OP-UA2~~	~~4SLB ENGINE FHFD TRANSMITTER BLDG 56013~~		~~106.511/09/04/2000[54052]~~	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072		106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159		106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	

	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS		106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS		106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A		51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B		51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A		51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B		106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C		106.412/09/04/2000	
	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E		106.472/03/14/1997	
	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F		106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G		106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I		106.412/09/04/2000, 106.472/09/04/2000	
	153	ST006A	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK A		106.472/09/04/2000	
	153	ST006B	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK B		106.412/09/04/2000	

Commented [JW42]: Unit is requested to be deleted in Revision #156

	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C		106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D		106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E		106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A		106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B		106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C		106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D		106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E		106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F		106.412/09/04/2000	
	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G		106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C		106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D		106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E		106.472/09/04/2000	

	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F		106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G		106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H		106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I		106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J		106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K		106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L		106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M		106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N		106.472/09/04/2000	
	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O		106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P		106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q		106.472/09/04/2000	
	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S		106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T		106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U		106.472/09/04/2000	

	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V		106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W		106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C		106.472/09/04/2000	
A	153	WL001	OP-UA1	SITE-WIDE WELDING OPERATIONS		106.227/09/04/2000	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	

Commented [JW43]: This unit was not provided on Form OP-UA1 or any other UA Form. I am not sure where this unit came from or what applicable requirements need to be document. If the unit only needs to be on Form OP-PBRSUP, it should be removed from Form OP-SUMR.

A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-3	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	AB001	OP-UA57	Abrasive Blasting Room		106.452/02/26/2013[107747]	
A	153	Brake Repair Downdraft Table	OP-UA1	Asbestos Brake Repair and Welding		106.261/08/04/2005[70022], 106.262/08/04/2005[70022]	
A	153	MO007	OP-UA1	Can Crusher		106.261/11/04/2011[98846], 106.262/11/04/2011[98846]	
A	153	Aerosol Can Crusher	OP-UA1	Can Crusher		106.261/08/11/2017[147753], 106.262/08/11/2017[147753]	
A	154	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	

Commented [JW44]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JW45]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JW46]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JW47]: The unit description is not consistent with the descriptions provided in revisions 1-4 for the BLR36071-* units. I have kept the descriptions provided in revisions 1-4. Please confirm which is the appropriate description.

Commented [JW48]: This unit was previously removed from permit. See comments for SU001.

Commented [JW49]: Not a valid unit ID. Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements?

Commented [JW50]: Is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JW51]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

Commented [JW52]: is this a process that should be listed on Form OP-PBRSUP and has no Title V requirements? Unit is not in permit, no Title V requirements provided.

D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A		§106.472/09/04/2000	
D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B		§106.412/09/04/2000	
	157	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	157	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	157	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	157	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	157	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	157	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	158	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	158	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	158	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	158	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	158	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
	158	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	
	158	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	

	158	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	158	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	159	IC001-61	OP-UA2	Fire Pump #2		106.511/09/04/2000[54052]	
D	160	IC001-62	OP-UA2	Fire Pump #3		106.511/09/04/2000[54052]	
A	161	IC001-91	OP-UA2	FCF – Station 5		106.511/09/04/2000[54052]	
A	162	IC001-92	OP-UA2	Granger Lake Radar		106.511/09/04/2000[54052]	
A	163	IC001-93	OP-UA2	Fire Pump #3		106.511/09/04/2000[54052]	
A	164	IC001-94	OP-UA2	Fire Pump #2		106.511/09/04/2000[54052]	
A	165	IC001-95	OP-UA2	Crittenberger Range		106.511/09/04/2000[54052]	
D	166	IC003-5	OP-UA2	NEC RSC #5 North		106.511/09/04/2000[54052]	
D	167	IC003-6	OP-UA2	NEC RSC #2		106.511/09/04/2000[54052]	
D	168	IC003-9	OP-UA2	NEC RSC #3		106.511/09/04/2000[54052]	
D	169	IC003-10	OP-UA2	NEC RSC#1		106.511/09/04/2000[54052]	
A	170	IC003-29	OP-UA2	NEC RSC #5 North		106.511/09/04/2000[164083]	
A	171	IC003-30	OP-UA2	NEC RSC #2		106.511/09/04/2000[164083]	
A	172	IC003-31	OP-UA2	NEC RSC#1		106.511/09/04/2000[164083]	
A	173	IC003-32	OP-UA2	NEC RSC #3		106.511/09/04/2000[164083]	
A	174	IC003-33	OP-UA2	NEC RSC #6		106.511/09/04/2000[164083]	
A	175	IC003-34	OP-UA2	NEC RSC #7		106.511/09/04/2000[164083]	

Commented [JW53]: Not a valid PBR Registration No.

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A	176	IC006-1	OP-UA2	BLORA Paintball Course		106.512/06/13/2001[54052]	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
~~109~~	~~IC003-5~~	~~OP-UA2~~	~~A~~	~~GRP-ENGINE2~~
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-REQ2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Commented [JW54]: Unit is on OP-UA2, not OP-REQ2.

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
157	FS011A	OP-UA3	D	GRPTANK9
157	FS011B	OP-UA3	D	GRPTANK9
157	FS011C	OP-UA3	D	GRPTANK9
157	ST001A	OP-UA3	D	GRPTANK9
157	ST001B	OP-UA3	D	GRPTANK9
157	ST001C	OP-UA3	D	GRPTANK9

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA

Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ❑ NO

I. Application Type

Indicate the type of application:

☒Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	☒ YES ❑ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	☐ YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	Yes	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117,

						therefore it is an off-permit source, per OP-UA6 instructions.
12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input

						capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are removed in this

						revision. This negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII

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33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	Add unit to permit.
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.

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44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

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56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

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71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.

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85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	IC003-28	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.

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101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has

						no associated units with it and does not need to exist in the permit anymore.
113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140 as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117	MS-C	No	IC003-7	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E,

						Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986, 107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
137	SIG-E	No	WW002	OP-REQ2	106.231/09/04/2000	Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
140	MS-C	No	IC001-10	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
141	MS-C	No	IC001-17	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
142	MS-C	No	IC001-31	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-ENGINE8 now has no associated units with it, and does not need to exist in the permit anymore.
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

						now has no associated units with it, and does not need to exist in the permit anymore.
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop
153	MS-A	No	Various	Various	Various	Adding PBR Registration Nos. to Unit/Group IDs identified on Form OP-SUMR Table 1
155	SIG-E	No	ST006A	OP-UA3	§106.472/09/04/2000	Unit is OOS; Remove from Title V Permit
156	SIG-E	No	ST006B	OP-UA3	§106.412/09/04/2000	Unit is OOS; Remove from Title V Permit
157	SIG-E	No	Various	OP-UA3	§106.472/03/14/1997 51/11/05/1986	Deleting Unit IDs identified in form OP-SUMR from GRPTANK9; associated units have differing attributes and will be listed individually.
158	ADMIN-A	No	Various	OP-SUMR	Various	Updating Unit/Process Name/Description for 13 units.
159	SIG-E	No	IC001-61	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
160	SIG-E	No	IC001-62	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
161	SIG-E	Yes	IC001-91	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
162	SIG-E	Yes	IC001-92	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
163	SIG-E	Yes	IC001-93	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
164	SIG-E	Yes	IC001-94	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
165	SIG-E	Yes	IC001-95	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
166	SIG-E	No	IC003-5	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
167	SIG-E	No	IC003-6	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
168	SIG-E	No	IC003-9	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
169	SIG-E	Yes	IC003-10	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
170	SIG-E	Yes	IC003-29	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
171	SIG-E	Yes	IC003-30	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
172	SIG-E	Yes	IC003-31	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
173	SIG-E	Yes	IC003-32	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
174	SIG-E	Yes	IC003-33	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
175	SIG-E	Yes	IC003-34	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
176	SIG-E	Yes	IC006-1	OP-UA2	106.512/06/13/2001[54052]	Add unit to permit.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?		☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required:	Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision		☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

From: Will Calderon <wcalderon@olsson.com>
Sent: Friday, July 12, 2024 6:17 PM
To: John Walker; Clark, Michael N CIV USARMY ID-READINESS (USA)
Cc: Nick Steinke; Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos
Attachments: 07-12-2024_OP-UA3_ Revised.docx

Follow Up Flag: Follow up
Flag Status: Completed

Good afternoon Mr. Walker,

1. Please see attached the corrected Form OP-UA3. Please note that tanks ST001A and ST001B were incorrectly categorized in the “WW Tank Control” column as “IFR” and have been corrected to “NONE3”. As no other columns are required for these two tanks per the OP-UA3 instructions, the “Storage Vessel Description” column has been cleared. The other four tanks (FS011A/B/C and ST001C) have been updated to include “IFR-VP” in the “Storage Vessel Description” section and do not require additional information per the Form OP-UA3 Instructions.
2. American Water (current permit holder for 54052) is still working with TCEQ on some administrative tasks related to their contractor status under the newly-named Fort Cavazos. Please feel free to contact Mr. Michael Clark with Fort Cavazos at michael.n.clark.civ@army.mil (also on this email) with further questions on this matter.

Thank you,

-Will C

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Storage Capacity	Product Stored	True Vapor Pressure	Storage Vessel Description	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 2)
Federal Operating Permit Program
Table 2: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	True Vapor Pressure	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS021A	60Kb-1	GASTN	10K-20K	IFR		NONE3				
FS022A	60Kb-1	PTLQ-3	10K-20K	IFR		NONE3				
~~ST001A~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001B~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001C~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-					
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-					
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-					
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS011A	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		

FS011C	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE3				~~NONE~~		
ST001B	60Kb-1	PTLQ-3	40K+	~~IFR~~NONE3				~~NONE~~		
ST001C	60Kb-1	PTLQ-3	40K+	IFR		IFR-VP		FLOAT		

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From: John Walker
Sent: Tuesday, July 2, 2024 5:15 PM
To: Will Calderon
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos

Good Afternoon,

I have reviewed the most recent updates provided for FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos. Please provide the requested information as soon as possible but no later than **07/12/2024:**

1. Please provide Form OP-UA3 Table 3, For Unit IDs FS011A, FS011B, FS011C, ST001A, ST001B, and ST001C. Additional codes are required for "storage vessel description" and possibly other codes may be required per the form instructions.

2. Please provide a status update for the ongoing resolution of issues identified with PBR Registration No. 54052.

Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, April 15, 2024 9:04 AM
To: John Walker
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments: 04-15-2024_OP-SUMR Revised.docx; 04-15-2024_OP-2 Revised.docx; 04-15-2023_OP-UA2 Revised.docx

Follow Up Flag: Follow up
Flag Status: Completed

Good morning Mr. Walker,

Please see attached the updated Forms OP-UA2, OP-2, and OP-SUMR that incorporate the most current emergency engine inventory for Fort Cavazos.

Thank you!

-Will C

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
~~A~~	~~41~~	~~IC001-13~~	~~OP-UA2~~	~~NEC REMOTE SERVICE CENTER BLDG 338~~		~~106.511/09/04/2000[54052]~~	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
D	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE F~~H~~CFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE F~~H~~CFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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A	100	IC002-17	OP-UA2	WF~~H~~C SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
D	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

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D	111	IC004-1	OP-UA2	4SLB ENGINE F~~H~~CFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE F~~H~~CFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE YDAHP BLDG 7004		106.512/06/13/2001[54052]	

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	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		106.433/02/28/2019[24538]	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		106.433/02/28/2019[24538]	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		106.433/02/28/2019[24538]	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		106.433/02/28/2019[24538]	
A	137	SC016	OP-UA1	COMPOSITE SITE OPERATIONS		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

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	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	~~DS2~~AMCOM WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

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A	139	IC003-27	OP-UA2	NF~~H~~C EOC BLDG 56506		106.511/09/04/2000[54052]	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000/[54052]	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000/[54052]	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		106.511/09/04/2000/[54052]	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		106.534/09/12/1989[1866]	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		106.262/05/31/2007/[81875, 83515]	
D	151	BOILER11	OP-UA6	STEAM BOILERS		106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		106.265/09/04/2000	

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036		106.495/11/02/2002[52888]	
A	153	ET001	OP-UA1	JET ENGINE TESTING		106.263/08/29/2006[79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING		106.263/08/29/2006[79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/03/07/2003[54052]	
~~A~~	~~153~~	~~IC001-16~~	~~OP-UA2~~	~~DIESEL ENGINE GRANGER LAKE BLDG GRL03~~		~~106.511/03/07/2003[54052]~~	
~~A~~	~~153~~	~~IC001-5~~	~~OP-UA2~~	~~FHFD STATION #5 DIESEL IC EQUIPMENT < 600HP, BLDG 52940~~		~~106.511/03/07/2003[54052]~~	
A	153	IC001-51	OP-UA2	DIESEL ENGINE ~~DOL~~LRC ADMIN BLDG 89010		106.511/03/07/2003[54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251		106.511/03/07/2003[54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067		106.511/03/07/2003[54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022		106.511/03/07/2003[54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, F~~H~~C CMNI, BLDG 90500		106.511/03/07/2003[54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR		106.511/03/05/2021[54052]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	

	153	IC002-1	OP-UA2	COLD STORAGE DIESEL IC EQUIPMENT > 600HP, BLDG 89100A		106.511/03/07/2003[54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13		106.511/03/07/2003[54052]	
	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012		106.511/03/07/2003[54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001		106.511/03/07/2003[54052]	
	~~153~~	~~IC003-10~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #1 BLDG 29017~~		~~106.511/03/07/2003[54052]~~	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078		106.511/03/07/2003[54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612		106.511/03/07/2003[54052]	
	~~153~~	~~IC003-5~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #5 NORTH BLDG 56304~~		~~106.511/09/04/2000[54052]~~	
	~~153~~	~~IC003-6~~	~~OP-UA2~~	~~4SLB ENGINE NEC RSC #2 BLDG 4304~~		~~106.511/03/07/2003[54052]~~	
	153	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	

	153	IC003-9	OP-UA2	4SLB ENGINE NEC RSC #3 BLDG 11002		106.511/03/07/2003[54052]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.533/03/14/1997[41479]	
	153	MO006	OP-UA1	FUEL TANKER CLEANING OPERATIONS-BLDG 1949		106.262/10/12/2005[76961]	
	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060		106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041		106.433/05/19/2015[131851]	
	153	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	153	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	153	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	153	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	153	SU001	OP-UA16	433 DEGREASER SITE-WIDE		106.454/04/01/2002[50528]	

	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949		106.261/09/11/2002[52124]	
	153	ARO10A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO10B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO16A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO16B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO17A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO17B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO18A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO18B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO19A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO19B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO1A	OP-UA1	HAND-WIPE CLEANING OPERATION BLDG 6978		124/05/04/1994	
	153	ARO1B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6978		70/11/05/1986	
	153	ARO20A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO20B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	

	153	ARO21A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO21B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO25A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO25B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO28	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO29	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO2A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		124/05/04/1994	
	153	ARO2B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO30	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90033		41/11/25/1985[50528]	
	153	ARO31	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90051		46/05/08/1972[50528]	
	153	ARO32	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 90098		107/05/04/1994[50528]	
	153	ARO33	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90098		41/11/05/1986[50528]	
	153	ARO34	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 90051		107/05/04/1994[50528]	

	153	ARO35	OP-UA1	ENGINE CLEANING BY FLUSHING, BLDG. 90051		46/05/08/1972[50528]	
	153	ARO36	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 6940		107/05/04/1994[50528]	
	153	ARO37	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7007		107/05/04/1994[50528]	
	153	ARO38	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7021		107/05/04/1994[50528]	
	153	ARO39	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7022		107/05/04/1994[50528]	
	153	ARO3A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		124/05/04/1994	
	153	ARO3B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		80/09/17/1973	
	153	ARO42	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7013		107/05/04/1994[50528]	
	153	ARO43A	OP-UA1	HAND WIPE CLEAINING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO43B	OP-UA1	HAND WIPE CLEANING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO44A	OP-UA1	HAND WIPE CLEAINING, BLDG 90094		70/11/05/1986	
	153	ARO44B	OP-UA1	HAND WIPE CLEANING, BLDG 90094 (AVIM)		70/11/05/1986	
	153	ARO45A	OP-UA1	HAND WIPE CLEAINING, BLDG 707		124/05/04/1994	
	153	ARO45B	OP-UA1	HAND WIPE CLEANING, BLDG 707		124/05/04/1994	
	153	ARO46A	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	

	153	ARO46B	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	
	153	ARO47A	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO47B	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO48A	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO48B	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO49A	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO49B	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO4A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		124/05/04/1994	
	153	ARO4B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		70/11/05/1986	
	153	ARO5A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		124/05/04/1994	
	153	ARO5B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		80/09/23/1982	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707		70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708		70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027		70/06/07/1996	
	153	ARO68	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	

	153	ARO69	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	
	153	ARO6A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO6B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO70	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6978		41/06/07/1996[50528]	
	153	ARO71	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7012/7013		41/06/07/1996[50528]	
	153	ARO72	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7021		41/06/07/1996[50528]	
	153	ARO73	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7022		41/06/07/1996[50528]	
	153	ARO74	OP-UA1	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)		41/06/07/1996[50528]	
	153	ARO75	OP-UA1	ENGINE FLUSH CLEANING, BLDG 707		41/06/07/1996[50528]	
	153	ARO76	OP-UA1	ENGINE FLUSH CLEANING, BLDG 708		41/06/07/1996[50528]	
	153	ARO77	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6972		41/06/07/1996[50528]	
	153	ARO78	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7027		41/06/07/1996[50528]	
	153	ARO79	OP-UA16	COLD PARTS WASHING, BLDG 6940 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO7A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
	153	ARO7B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	

	153	ARO80	OP-UA16	COLD PARTS WASHING, BLDG 6970		106.454/03/14/1997[50528]	
	153	ARO81	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO82	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO83	OP-UA16	COLD PARTS WASHING, BLDG 6978		106.454/03/14/1997[50528]	
	153	ARO84	OP-UA16	COLD PARTS WASHING, BLDG 90094		106.454/03/14/1997[50528]	
	153	ARO85	OP-UA16	COLD PARTS WASHING, BLDG 90094 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO86	OP-UA16	COLD PARTS WASHING, BLDG 707		106.454/03/14/1997[50528]	
	153	ARO87	OP-UA16	COLD PARTS WASHING, BLDG 708		106.454/03/14/1997[50528]	
	153	ARO88	OP-UA16	COLD PARTS WASHING, BLDG 7012		106.454/03/14/1997[50528]	
	153	ARO89	OP-UA16	COLD PARTS WASHING, BLDG 7027		106.454/03/14/1997[50528]	
	153	ARO8A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO8B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO90	OP-UA16	COLD PARTS WASHING, BLDG 88027		106.454/03/14/1997[50528]	
	153	EC002	OP-UA1	SITE-WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
	153	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	

	153	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	153	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	153	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	153	FS018A	OP-UA3	~~DOL~~LRC TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	FS018	OP-UA4	~~DOL~~LRC FUELING STATION - BIODIESEL		106.412/09/04/2000	
	153	FS019A	OP-UA3	~~DOL~~LRC FUELING STATION E-85 STORAGE TANK A		106.472/09/04/2000	
	153	FS019	OP-UA4	~~DOL~~LRC FUELING STATION - E-85 GASOLINE		106.412/09/04/2000	
	153	FS020	OP-UA4	~~NFH~~ NFC FUELING STATION		106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION		106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION		106.412/09/04/2000	
~~A~~	~~153~~	~~IC001-13~~	~~OP-UA2~~	~~NEC REMOTE SERVICE CENTER BLDG 338~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-~~WFH~~WFC CLARK GATE BLDG 70017		106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		106.511/09/04/2000[54052]	
	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		106.511/09/04/2000[54052]	
	~~153~~	~~IC001-24~~	~~OP-UA2~~	~~DIESEL ENGINE RGAAF PRECISION APPROACH RADAR BLDG 90244~~		~~106.511/09/04/2000[54052]~~	

	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		106.511/09/04/2000[54052]	
	153	IC001-43	OP-UA2	DIESEL ENGINE F~~H~~CFD - STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155		106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083		106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE ~~DOL~~LRC MAINFRAME BLDG 88037		106.511/09/04/2000[54052]	
	153	IC001-54	OP-UA2	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	IC001-55	OP-UA2	DIESEL ENGINE F~~H~~CFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177		106.511/09/04/2000[54052]	
	~~153~~	~~IC001-61~~	~~OP-UA2~~	~~DIESEL ENGINE FIRE PUMP #2 BLDG 90177~~		~~106.511/09/04/2000[54052]~~	

	~~153~~	~~IC001-62~~	~~OP-UA2~~	~~DIESEL ENGINE FIRE PUMP #3 BLDG 90177~~		~~106.511/09/04/2000[54052]~~	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE		106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040		106.511/09/04/2000[54052]	
	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670		106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154		106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149		106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	

A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010		106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012		106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #1, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #2, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #3, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #4, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	~~WFH~~WFC SCIF BLDG 90087		106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE F~~H~~CFD - RGAAF BLDG 90145		106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048		106.511/09/04/2000[54052]	

	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031		106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		106.511/09/04/2000[54052]	
	~~153~~	~~IC003-20~~	~~OP-UA2~~	~~4SRB ENGINE NEC RSC #7 BLDG 88075~~		~~106.511/09/04/2000[54052]~~	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	153	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
A	153	IC003-27	OP-UA2	~~NFH~~NFC EOC BLDG 56506		106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016		106.511/09/04/2000[54052]	
	~~153~~	~~IC004-1~~	~~OP-UA2~~	~~4SLB ENGINE FHFD TRANSMITTER BLDG 56013~~		~~106.511/09/04/2000[54052]~~	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072		106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159		106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	

	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS		106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS		106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A		51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B		51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A		51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B		106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C		106.412/09/04/2000	
	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E		106.472/03/14/1997	
	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F		106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G		106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I		106.412/09/04/2000, 106.472/09/04/2000	
	153	ST006A	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK A		106.472/09/04/2000	
	153	ST006B	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK B		106.412/09/04/2000	

	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C		106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D		106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E		106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A		106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B		106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C		106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D		106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E		106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F		106.412/09/04/2000	
	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G		106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C		106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D		106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E		106.472/09/04/2000	

	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F		106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G		106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H		106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I		106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J		106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K		106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L		106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M		106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N		106.472/09/04/2000	
	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O		106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P		106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q		106.472/09/04/2000	
	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S		106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T		106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U		106.472/09/04/2000	

	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V		106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W		106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C		106.472/09/04/2000	
A	153	WL001	OP-UA1	SITE-WIDE WELDING OPERATIONS		106.227/09/04/2000	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	

A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-3	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	AB001	OP-UA57	Abrasive Blasting Room		106.452/02/26/2013[107747]	
A	153	Brake Repair Downdraft Table	OP-UA1	Asbestos Brake Repair and Welding		106.261/08/04/2005[70022], 106.262/08/04/2005[70022]	
A	153	MO007	OP-UA1	Can Crusher		106.261/11/04/2011[98846], 106.262/11/04/2011[98846]	
A	153	Aerosol Can Crusher	OP-UA1	Can Crusher		106.261/08/11/2017[147753], 106.262/08/11/2017[147753]	
A	154	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	

D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A		§106.472/09/04/2000	
D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B		§106.412/09/04/2000	
	157	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	157	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	157	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	157	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	157	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	157	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	158	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	158	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	158	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	158	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	158	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
	158	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	
	158	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	

	158	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	158	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	159	IC001-61	OP-UA2	Fire Pump #2		106.511/09/04/2000[54052]	
D	160	IC001-62	OP-UA2	Fire Pump #3		106.511/09/04/2000[54052]	
A	161	IC001-91	OP-UA2	FCF – Station 5		106.511/09/04/2000[54052]	
A	162	IC001-92	OP-UA2	Granger Lake Radar		106.511/09/04/2000[54052]	
A	163	IC001-93	OP-UA2	Fire Pump #3		106.511/09/04/2000[54052]	
A	164	IC001-94	OP-UA2	Fire Pump #2		106.511/09/04/2000[54052]	
A	165	IC001-95	OP-UA2	Crittenberger Range		106.511/09/04/2000[54052]	
D	166	IC003-5	OP-UA2	NEC RSC #5 North		106.511/09/04/2000[54052]	
D	167	IC003-6	OP-UA2	NEC RSC #2		106.511/09/04/2000[54052]	
D	168	IC003-9	OP-UA2	NEC RSC #3		106.511/09/04/2000[54052]	
D	169	IC003-10	OP-UA2	NEC RSC#1		106.511/09/04/2000[54052]	
A	170	IC003-29	OP-UA2	NEC RSC #5 North		106.511/09/04/2000[164083]	
A	171	IC003-30	OP-UA2	NEC RSC #2		106.511/09/04/2000[164083]	
A	172	IC003-31	OP-UA2	NEC RSC#1		106.511/09/04/2000[164083]	
A	173	IC003-32	OP-UA2	NEC RSC #3		106.511/09/04/2000[164083]	
A	174	IC003-33	OP-UA2	NEC RSC #6		106.511/09/04/2000[164083]	
A	175	IC003-34	OP-UA2	NEC RSC #7		106.511/09/04/2000[164083]	

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A	176	IC006-1	OP-UA2	BLORA Paintball Course		106.512/06/13/2001[54052]	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
~~109~~	~~IC003-5~~	~~OP-UA2~~	~~A~~	~~GRP-ENGINE2~~
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-REQ2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
157	FS011A	OP-UA3	D	GRPTANK9
157	FS011B	OP-UA3	D	GRPTANK9
157	FS011C	OP-UA3	D	GRPTANK9
157	ST001A	OP-UA3	D	GRPTANK9
157	ST001B	OP-UA3	D	GRPTANK9
157	ST001C	OP-UA3	D	GRPTANK9

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA

Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ❑ NO

I. Application Type

Indicate the type of application:

☒Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	☒ YES ❑ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	☐ YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	Yes	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117,

						therefore it is an off-permit source, per OP-UA6 instructions.
12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input

						capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are removed in this

						revision. This negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	Add unit to permit.
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	IC003-28	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	~~Adjusting Title V Unit Description to match Building Number of engine location at facility.~~Unit is OOS; Remove from Title V Permit.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has

						no associated units with it and does not need to exist in the permit anymore.
113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140 as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117	MS-C	No	IC003-7	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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Company Name:			**US Department of the Army**			
120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E,

						Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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Company Name:			**US Department of the Army**			
135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986, 107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
137	SIG-E	No	WW002	OP-REQ2	106.231/09/04/2000	Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
140	MS-C	No	IC001-10	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
141	MS-C	No	IC001-17	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
142	MS-C	No	IC001-31	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-ENGINE8 now has no associated units with it, and does not need to exist in the permit anymore.
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15

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						now has no associated units with it, and does not need to exist in the permit anymore.
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop
153	MS-A	No	Various	Various	Various	Adding PBR Registration Nos. to Unit/Group IDs identified on Form OP-SUMR Table 1
155	SIG-E	No	ST006A	OP-UA3	§106.472/09/04/2000	Unit is OOS; Remove from Title V Permit
156	SIG-E	No	ST006B	OP-UA3	§106.412/09/04/2000	Unit is OOS; Remove from Title V Permit
157	SIG-E	No	Various	OP-UA3	§106.472/03/14/1997 51/11/05/1986	Deleting Unit IDs identified in form OP-SUMR from GRPTANK9; associated units have differing attributes and will be listed individually.
158	ADMIN-A	No	Various	OP-SUMR	Various	Updating Unit/Process Name/Description for 13 units.
159	SIG-E	No	IC001-61	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
160	SIG-E	No	IC001-62	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
161	SIG-E	Yes	IC001-91	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.

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162	SIG-E	Yes	IC001-92	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
163	SIG-E	Yes	IC001-93	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
164	SIG-E	Yes	IC001-94	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
165	SIG-E	Yes	IC001-95	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
166	SIG-E	No	IC003-5	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
167	SIG-E	No	IC003-6	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
168	SIG-E	No	IC003-9	OP-UA2	106.511/09/04/2000[54052]	Unit is OOS; Remove from Title V Permit.
169	SIG-E	Yes	IC003-10	OP-UA2	106.511/09/04/2000[54052]	Add unit to permit.
170	SIG-E	Yes	IC003-29	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
171	SIG-E	Yes	IC003-30	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
172	SIG-E	Yes	IC003-31	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
173	SIG-E	Yes	IC003-32	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
174	SIG-E	Yes	IC003-33	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
175	SIG-E	Yes	IC003-34	OP-UA2	106.511/09/04/2000[164083]	Add unit to permit.
176	SIG-E	Yes	IC006-1	OP-UA2	106.512/06/13/2001[54052]	Add unit to permit.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?		☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required:	Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision		☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

***Note*: All IC001, IC002, and IC005 units are Compression Ignition (CI) engines. All IC003 and IC004 units are Spark Ignition (SI) engines.**

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
~~IC001-5~~	~~63ZZZZ~~	~~AREA~~	~~100-~~	~~02-~~	~~Yes~~		
IC001-8	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-9	63ZZZZ	AREA	100-	02-06	No	EMER-A	CI
~~IC001-13~~	~~63ZZZZ~~	~~AREA~~	~~100-~~	~~02-06~~	~~No~~	~~EMER-A~~	~~CI~~
IC001-14	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
~~IC001-16~~	~~63ZZZZ~~	~~AREA~~	~~100-~~	~~02-~~	~~No~~	~~EMER-A~~	~~CI~~
IC001-18	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-21	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-22	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
~~IC001-24~~	~~63ZZZZ~~	~~AREA~~	~~100-250~~	~~02-~~	~~No~~	~~EMER-A~~	~~CI~~
IC001-25	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI

IC001-30	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-36	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-43	63ZZZZ	AREA	300-500	02-06	Yes		
IC001-44	63ZZZZ	AREA	500+	02-06	No	EMER-A	CI
IC001-46	63ZZZZ	AREA	250-300	06+			
IC001-47	63ZZZZ	AREA	100-250	02-06	Yes		
IC001-48	63ZZZZ	AREA	100-250	06+			
IC001-49	63ZZZZ	AREA	100-250	06+			
IC001-51	63ZZZZ	AREA	300-500	02-	No	EMER-A	CI
IC001-53	63ZZZZ	AREA	100-250	06+			
IC001-55	63ZZZZ	AREA	250-300	06+			
IC001-56	63ZZZZ	AREA	100-250	06+			
IC001-60	63ZZZZ	AREA	250-300	06+			
~~IC001-61~~	~~63ZZZZ~~	~~AREA~~	~~250-300~~	~~06+~~			
~~IC001-62~~	~~63ZZZZ~~	~~AREA~~	~~250-300~~	~~06+~~			
IC001-65	63ZZZZ	AREA	100-250	06+			
IC001-66	63ZZZZ	AREA	300-500	06+			
IC001-67	63ZZZZ	AREA	300-500	06+			
IC001-68	63ZZZZ	AREA	300-500	06+			
IC001-69	63ZZZZ	AREA	100-250	06+			

IC001-70	63ZZZZ	AREA	100-	06+			
IC001-71	63ZZZZ	AREA	100-	06+			
IC001-72	63ZZZZ	AREA	100-250	06+			
IC001-74	63ZZZZ	AREA	100-	06+			
IC001-75	63ZZZZ	AREA	100-250	06+			
IC001-76	63ZZZZ	AREA	100-250	06+			
IC001-77	63ZZZZ	AREA	300-500	06+			
IC001-78	63ZZZZ	AREA	100-	06+			
IC001-79	63ZZZZ	AREA	100-	06+			
IC001-81	63ZZZZ	AREA	300-500	06+			
IC003-28	63ZZZZ	AREA	100-250	06+			
IC001-83	63ZZZZ	AREA	100-	06+			
IC001-84	63ZZZZ	AREA	100-250	06+			
IC001-85	63ZZZZ	AREA	100-250	06+			
IC001-86	63ZZZZ	AREA	100-250	06+			
IC001-87	63ZZZZ	AREA	100-	06+			
IC001-88	63ZZZZ	AREA	100-	06+			
IC001-91	63ZZZZ	AREA	100-	06+			
IC001-92	63ZZZZ	AREA	100-250	06+			
IC001-93	63ZZZZ	AREA	100-250	06+			

IC001-94	63ZZZZ	AREA	100-250	06+			
IC001-95	63ZZZZ	AREA	100-	06+			
IC002-1	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-3	63ZZZZ	AREA	500+	06+			
IC002-4	63ZZZZ	AREA	500+	06+			
IC002-5	63ZZZZ	AREA	500+	06+			
IC002-6	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-7	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-8	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-9	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-10	63ZZZZ	AREA	500+	06+			
IC002-11	63ZZZZ	AREA	500+	06+			
IC002-12	63ZZZZ	AREA	500+	06+			
IC002-13	63ZZZZ	AREA	500+	06+			
IC002-14	63ZZZZ	AREA	500+	06+			
IC002-15	63ZZZZ	AREA	500+	06+			
IC002-16	63ZZZZ	AREA	500+	06+			
IC002-17	63ZZZZ	AREA	500+	06+			
IC002-18	63ZZZZ	AREA	500+	06+			
IC003-1	63ZZZZ	AREA	100-	02-	No	EMER-A	4SLB

IC003-4	63ZZZZ	AREA	250-300	06+			
~~IC003-5~~	~~63ZZZZ~~	~~AREA~~	~~100-~~	~~02-~~	~~No~~	~~EMER-A~~	~~4SLB~~
~~IC003-6~~	~~63ZZZZ~~	~~AREA~~	~~100-250~~	~~02-~~	~~No~~	~~EMER-A~~	~~4SLB~~
~~IC003-7~~	~~63ZZZZ~~	~~AREA~~	~~100-250~~	~~02-~~	~~No~~	~~EMER-A~~	~~4SLB~~
IC003-8	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
~~IC003-9~~	~~63ZZZZ~~	~~AREA~~	~~100-250~~	~~02-~~	~~No~~	~~EMER-A~~	~~4SLB~~
~~IC003-10~~	~~63ZZZZ~~	~~AREA~~	~~100-250~~	~~02-~~	~~No~~	~~EMER-A~~	~~4SLB~~
IC003-11	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
~~IC003-13~~ IC-DF90145	63ZZZZ	AREA	100-250	02-	Yes		
~~IC003-14~~ IC-DF90048	63ZZZZ	AREA	300-500	02-	No	EMER-A	4SRB
IC003-16	63ZZZZ	AREA	300-500	06+			
IC003-17	63ZZZZ	AREA	300-500	06+			
IC003-18	63ZZZZ	AREA	100-250	06+			
IC003-19	63ZZZZ	AREA	100-250	06+			
~~IC003-20~~	~~63ZZZZ~~	~~AREA~~	~~100-250~~	~~06+~~			
IC003-21	63ZZZZ	AREA	100-250	06+			
~~IC003-22~~ IC-DF90140	63ZZZZ	AREA	100-250	06+			
IC003-24	63ZZZZ	AREA	100-250	06+			
IC003-25	63ZZZZ	AREA	300-500	06+			

IC003-26	63ZZZZ	AREA	100-	06+			
IC003-27	63ZZZZ	AREA	100-250	06+			
IC003-28	63ZZZZ	AREA	300-500	06+			
IC003-29	63ZZZZ	AREA	100-	06+			
IC003-30	63ZZZZ	AREA	100-250	06+			
IC003-31	63ZZZZ	AREA	100-250	06+			
IC003-32	63ZZZZ	AREA	100-250	06+			
IC003-33	63ZZZZ	AREA	100-250	06+			
IC003-34	63ZZZZ	AREA	100-250	06+			
~~IC004-1~~	~~63ZZZZ~~	~~AREA~~	~~100-~~	~~02-~~	~~Yes~~		
IC004-5	63ZZZZ	AREA	100-	06+			
IC004-6	63ZZZZ	AREA	100-	06+			
IC004-7	63ZZZZ	AREA	100-	06+			
IC006-1	63ZZZZ	AREA	100-	06+			

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Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
IC003-4	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-16	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-17	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-18	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-19	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-20	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-21	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
~~IC003-22~~ IC-DF90140	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON

IC003-24	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-25	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-26	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON
IC003-27	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC004-5	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON
IC004-6	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON
IC004-7	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
IC003-4	60JJJJ	N0111+E		YES	YES		EMERG		
IC003-18	60JJJJ	N0109-E		YES	YES		EMERG		
IC003-19	60JJJJ	N0109-E		YES	YES		EMERG		
IC003-20	60JJJJ	N0109-E		YES	YES		EMERG		
IC003-21	60JJJJ	N0111+E		YES	YES		EMERG		
~~IC003-22~~ IC-DF90140	60JJJJ	N0111+E		YES	YES		EMERG		
IC003-24	60JJJJ	N09-10E		YES	YES		EMERG		
IC003-25	60JJJJ	N0111+E		YES	YES		EMERG		
IC003-26	60JJJJ	N0109+E		YES	YES		EMERG		
IC003-27	60JJJJ	N0111+E		YES	YES		EMERG		

Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC001-46	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-48	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-49	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-53	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-55	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-56	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-60	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-61	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-62	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-65	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-66	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-67	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-68	60IIII	2005+	NONE	EMERG	CON	0406+

IC001-69	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-70	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-71	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-72	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-74	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-75	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-76	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-77	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-78	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-79	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-81	60IIII	2005+	NONE	EMERG	CON	0406+
IC003-28	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-83	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-84	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-85	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-86	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-87	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-88	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-3	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-4	60IIII	2005+	NONE	EMERG	CON	0406+

IC002-5	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-10	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-11	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-12	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-13	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-14	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-15	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-16	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-17	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-18	60IIII	2005+	NONE	EMERG	CON	0406+

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 11)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC001-46	60IIII	DIESEL		10-		2007	
IC001-48	60IIII	DIESEL		10-		2007	
IC001-49	60IIII	DIESEL		10-		2008	
IC001-53	60IIII	DIESEL		10-		2008	
IC001-55	60IIII	DIESEL		10-		2007	
IC001-56	60IIII	DIESEL		10-		2009	
IC001-60	60IIII	DIESEL		10-		2013	
IC001-61	60IIII	DIESEL		10-		2013	
IC001-62	60IIII	DIESEL		10-		2013	
IC001-65	60IIII	DIESEL		10-		2010	
IC001-66	60IIII	DIESEL		10-		2013	
IC001-67	60IIII	DIESEL		10-		2010	
IC001-68	60IIII	DIESEL		10-		2014	

IC001-69	60IIII	DIESEL		10-		2014	
IC001-70	60IIII	DIESEL		10-		2013	
IC001-71	60IIII	DIESEL		10-		2014	
IC001-72	60IIII	DIESEL		10-		2013	
IC001-74	60IIII	DIESEL		10-		2014	
IC001-75	60IIII	DIESEL		10-CS		2016	
IC001-76	60IIII	DIESEL		10-CS		2015	
IC001-77	60IIII	DIESEL		10-		2019	
IC001-78	60IIII	DIESEL		10-		2018	
IC001-79	60IIII	DIESEL		10-		2018	
IC001-81	60IIII	DIESEL		10-		2019	
IC003-28	60IIII	DIESEL		10-		2022	
IC001-83	60IIII	DIESEL		10-		2020	
IC001-84	60IIII	DIESEL		10-			
IC001-85	60IIII	DIESEL		10-		2020	
IC001-86	60IIII	DIESEL		10-		2020	
IC001-87	60IIII	DIESEL		10-		2015	
IC001-88	60IIII	DIESEL		10-		2012	
IC002-3	60IIII	DIESEL		10-		2007	
IC002-4	60IIII	DIESEL		10-		2007	

IC002-5	60IIII	DIESEL		10-		2007	
IC002-10	60IIII	DIESEL		10-		2012	
IC002-11	60IIII	DIESEL		10-		2012	
IC002-12	60IIII	DIESEL		10-		2012	
IC002-13	60IIII	DIESEL		10-		2012	
IC002-14	60IIII	DIESEL		10-		2014	
IC002-15	60IIII	DIESEL		10-		2013	
IC002-16	60IIII	DIESEL		10-		2017+	
IC002-17	60IIII	DIESEL		10-		2020	
IC002-18	60IIII	DIESEL		10-		2009	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
IC001-46	60IIII	E130-368		NO	NO	MANU YES		
IC001-48	60IIII	E130-368		NO	NO	MANU YES		
IC001-49	60IIII	E130-368		NO	NO	MANU YES		
IC001-53	60IIII	E75-130		NO	NO	MANU YES		
IC001-55	60IIII	E130-368		NO	NO	MANU YES		
IC001-56	60IIII	E130-368		NO	NO	MANU YES		
IC001-60	60IIII	F130-368		NO	NO	MANU YES		
IC001-61	60IIII	F130-368		NO	NO	MANU YES		
IC001-62	60IIII	F130-368		NO	NO	MANU YES		
IC001-65	60IIII	E130-368		NO	NO	MANU YES		
IC001-66	60IIII	E130-368		NO	NO	MANU YES		
IC001-67	60IIII	E130-368		NO	NO	MANU YES		
IC001-68	60IIII	E130-368		NO	NO	MANU YES		

IC001-69	60IIII	E75-130		NO	NO	MANU YES		
IC001-70	60IIII	E130-368		NO	NO	MANU YES		
IC001-71	60IIII	E37-75		NO	NO	MANU YES		
IC001-72	60IIII	E37-75		NO	NO	MANU YES		
IC001-74	60IIII	E37-75		NO	NO	MANU YES		
IC001-75	60IIII	E75-130		NO	NO	MANU YES		
IC001-76	60IIII	E130-368		NO	NO	MANU YES		
IC001-77	60IIII	E130-368		NO	NO	MANU YES		
IC001-78	60IIII	E37-75		NO	NO	MANU YES		
IC001-79	60IIII	E37-75		NO	NO	MANU YES		
IC001-81	60IIII	E130-368		NO	NO	MANU YES		
IC003-28	60IIII	E130-368		NO	NO	MANU YES		
IC001-83	60IIII	E37-75		NO	NO	MANU YES		
IC001-84	60IIII	E75-130		NO	NO	MANU YES		
IC001-85	60IIII	E75-130		NO	NO	MANU YES		
IC001-86	60IIII	E130-368		NO	NO	MANU YES		
IC001-87	60IIII	E37-75		NO	NO	MANU YES		
IC001-88	60IIII	E37-75		NO	NO	MANU YES		
IC002-3	60IIII	E560-2237		NO	NO	MANU YES		
IC002-4	60IIII	E560-2237		NO	NO	MANU YES		

IC002-5	60IIII	E560-2237		NO	NO	MANU YES		
IC002-10	60IIII	E560-2237		NO	NO	MANU YES		
IC002-11	60IIII	E560-2237		NO	NO	MANU YES		
IC002-12	60IIII	E560-2237		NO	NO	MANU YES		
IC002-13	60IIII	E560-2237		NO	NO	MANU YES		
IC002-14	60IIII	E560-2237		NO	NO	MANU YES		
IC002-15	60IIII	E368-560		NO	NO	MANU YES		
IC002-16	60IIII	E560-2237		NO	NO	MANU YES		
IC002-17	60IIII	E368-560		NO	NO	MANU YES		
IC002-18	60IIII	E368-560		NO	NO	MANU YES		

From: John Walker
Sent: Monday, March 25, 2024 4:41 PM
To: Will Calderon
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Afternoon,

Yes, we can accept the request in item No. 3.a. We can also accept the request in the last paragraph about some changes to the emergency engine inventory. The deadline of April 15, 2024 is acceptable. We will not be able to extend this deadline. Also, we will not be able to accept any more updates.

Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, March 18, 2024 10:27 AM
To: John Walker
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments: 10400 Core Data Form - Cavazos name change.pdf; 03-18-2024_OP-2 Revised.docx; 03-18-2024_OP-REQ1 Pages 87 and 88 Revised.docx; 03-18-2024_OP-SUMR Revised.docx; 03-18-2024_OP-UA3_ Revised.docx

Follow Up Flag: Follow up
Flag Status: Completed

Good morning Mr. Walker,

Please see Fort Cavazos's responses in red below, as well as within the attached:

1. On Form OP-UA3 Table 3, units identified in GRPTANK9 (Unit IDs FS011A-C and ST001A-C) for NSPS Kb applicability have been listed multiple times and with different unit attributes.
    a. I have highlighted the duplicates in yellow for Unit IDs ST001A-C in the attached Form OP-UA03 in Table 3. Please confirm if some of these entries should be removed or if they represent alternate operating scenarios and should be identified under a different SOP Index No. The duplicates should be removed; please see the attached Form OP-UA03 with the deletion included as a tracked change.
    b. Additionally, since some of the units have different unit attributes than others, they cannot be grouped together in GRPTANK9. All units within a group must have the same unit attributes. Units without those attributes should be listed individually (or in another group with units that have matching attributes). Please confirm how these units should be documented and provide these updates on Forms OP-2, Form OP-SUMR (Tables 1 and 2), and Form OP-UA3. These units will be removed from GRPTANK9 and listed individually. Please see the attached updated Forms OP-2 and OP-SUMR along with OP-UA3 that document these 6 units' removal from GRPTANK9 as revision number 157. Edits are marked as tracked changes for faster reference.
2. In regard to the updated Form OP-REQ1 Page 88 submitted:
    a. PBR 106.472/03/14/1997 is documented in the WDP but not on OP-REQ1, Page 88 and is the Preconstruction Authorization (PCA) for several units within the WDP. Was it your intent to remove this PBR from OP-REQ1 Page 88 and the WDP? No, this PBR should still be included. See the updated form OP-REQ1, page 88 with the PBR re-added.
    b. Based on your 03/24/2023 response, there should be no permit listed in OP-REQ1 Section XII. J. (Permit No. 88412 issued on 07/17/2019). NSR Standard Permit 88412 was provided in OP-REQ1 Section XII. J., but is not a Municipal Solid Waste and Industrial Hazardous Waste Permit with an Air Addendum. I have documented NSR Standard Permit 88412 as an NSR Standard Permit in our database and the WDP. In your 03/24/2023 response, you agreed with this change but have provided NSR Standard Permit 88412 on OP-REQ1 Section XII. J in the most recent update. Please remove Permit No. 88412 from OP-REQ1 Page 88 Section XII. J. and add it to Form OP-REQ1 Page 87, Section

XII. H. Please see the attached updated Form OP-REQ1 with this correction included.

3. Please provide an update on the status of the resolution of PBR Registration No. 54052 and providing all necessary updates in regard to PBR changes on Forms OP-2, OP-SUMR, and OP-PBRSUP. Fort Cavazos has communicated to American Water (the current owner of PBR 54052) that this resolution is becoming time-sensitive. American Water is in active communication with TCEQ to initiate the final facility name changes in the Central Registry that are necessary before editing PBR 54052.
    a. Additionally, Fort Cavazos needs to permit some spray booths that are planned for the facility. Fort Cavazos would like to pursue the PBRs for the spray booths now and include them in the updated Forms OP-2, OP-SUMR, OP-REQ1, and OP-PBRSUP as necessary along with the finalized PBR 54052. This way, the PBRs can be included in the permit renewal. Please respond with whether this inclusion during this permit renewal action is feasible and acceptable for your team.
4. Please provide a copy of the Core Data Form that was submitted to the Central Registry so that I may give it to APIRT. This way APIRT can make the name change from Fort Hood to Fort Cavazos in our database. See attached.

Please also note that the Unit/Process Name/Description has been updated for some units within Form OP-SUMR. Per Fort Cavazos, where this column referred to “HAHP” should be updated to “YDAHP”. This change applies to Unit/Process ID Numbers IC003-26, IC003-7, IC003-8, FS011A, FS011B, FS011C, FS011, and IC003-26. Additionally, where the Unit/Process Name/Description refers to “FSBN” should be updated to “AFSBN”. This change applies to Unit/Process ID Numbers ST001A, ST001B, ST001C, ST002A, and ST003A. These administrative changes have been documented in Forms OP-SUMR and OP-2 as Revision Number 158. Form OP-SUMR also includes tracked changes and comments documenting this change for ease of reference.

As a final item, Fort Cavazos has undergone some changes to its emergency engine inventory throughout the renewal process. Fort Cavazos and Olsson are proposing to provide TCEQ with updated Unit Attribute and revision summary forms such that this permit renewal action will be as updated as possible for these units. Fort Cavazos and Olsson propose providing TCEQ with the updated engine forms by April 15th, 2024. Please respond with whether including this updated unit information in this permit renewal action is feasible and acceptable for your team.

Thank you,

-Will C

Will Calderon, EI, MS
(He, Him, His)
Environmental
C 402.515.8539

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT HOOD
FORT HOOD, TEXAS 76544-5000

REPLY TO
ATTENTION OF

Directorate of Public Works

FAX HEADER SHEET

****

TO: TCEQ **OFFICE:** Central Registry

PHONE: _____ **FAX:** 512-239-5181

****

FROM: Robert Kennedy **OFFICE:** Environmental

PHONE: ***OFFICE: (254)*** 287-8714 ***(DSN 737)*** _____
FAX: (254) 287-3591 ***(DSN 737)***

EMAIL: robert.l.kennedy112.civ@army.mil

DATE TRANSMITTED: May 5, 2023 **PAGE 1 OF** 4

****

ATTENTION!!

DO NOT PROCESS, STORE, OR TRANSMIT CLASSIFIED INFORMATION ON NON-SECURE TELECOMMUNICATIONS SYSTEMS. OFFICIAL DOD TELECOMMUNICATIONS SYSTEMS, INCLUDING FASCIMILE MACHINES, ARE SUBJECT TO MONITORING FOR TELECOMMUNICATIONS SECURITY PURPOSES AT ALL TIMES. USE OF DOD TELECOMMUNICATIONS SYSTEMS CONSTITUTES CONSENT TO TELECOMMUNICATIONS SECURITY MONITORING.

****

REMARKS

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☐ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☒ Other **Military Installation Name Change**

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 600126262		RN 101612083

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 05/09/2023

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* *If new Customer, enter previous Customer below:*

U. S. Department of the Army

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☒ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:

Department of the Army, Fort Cavazos
Directorate of Public Works, Environmental Division (AMIM-CAP-E), 4612 Engineer Dr.

City	Fort Cavazos	State	TX	ZIP	76544	ZIP + 4	5002

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	brian.l.dosa.civ@army.mil

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*

(254) 287-5707		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Department of the Army, Fort Cavazos

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	Directorate of Public Works, Environmental Division (AMIM-CAP-E)							
	4612 Engineer Dr.							
	City	Fort Cavazos	**State**	TX	**ZIP**	76544	**ZIP + 4**	5002
24. County	Bell/Coryell							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31.1950 N			97.7413 W		

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
9711		928110	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

U. S. Army Active Duty Military Post

34. Mailing Address:	**Department of the Army, Fort Cavazos, Directorate of Public Works, Environmental Division (AMIM-CAP-E)**							
	4612 Engineer Dr.							
	City	**Fort Cavazos**	**State**	**TX**	**ZIP**	**76544**	**ZIP + 4**	**5002**
35. E-Mail Address:	**brian.l.dosa.civ@army.mil**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(254) 287-5500		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☒ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
	24538; 88412			
☐ Sludge	☐ Storm Water	☒ Title V Air	☐ Tires	☐ Used Oil
		O-01659		
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Robert Kennedy	41. Title:	Air Quality Program Manager

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(254) 287-8714		(254) 287-3591	robert.l.kennedy112.civ@army.mil

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	U. S. Department of the Army, Fort Cavazos	Job Title:	Chief, Environmental Programs
Name *(In Print)*:	Timi M. Dutchuk, P.E.	Phone:	(254) 287- 6499
Signature:	DUTCHUK.TIMI.MARIE.1146509637 Digitally signed by DUTCHUK.TIMI.MARIE.1146509637 Date: 2023.05.05 09:54:24 -05'00'	Date:	5/5/2023

TRANSMISSION VERIFICATION REPORT

TIME : 05/04/2023 18:09
NAME : DPW ENV DIV
FAX : 2542873591
TEL : 2542873591
SER.# : 000E9N896709

DATE,TIME	05/04 18:07
FAX NO./NAME	9815122395181
DURATION	00:01:46
PAGE(S)	04
RESULT	OK
MODE	STANDARD

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS021A	60Kb-1	GASTN	10K-20K	IFR		NONE3				
FS022A	60Kb-1	PTLQ-3	10K-20K	IFR		NONE3				
~~ST001A~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001B~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
~~ST001C~~	~~60Kb-1~~	~~PTLQ-3~~	~~40k+~~	~~IFR~~		~~NONE3~~				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-					
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-					
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-					
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS011A	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		

FS011C	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	IFR				NONE		
ST001B	60Kb-1	PTLQ-3	40K+	IFR				NONE		
ST001C	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		

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Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
A	41	IC001-13	OP-UA2	NEC REMOTE SERVICE CENTER BLDG 338		106.511/09/04/2000[54052]	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE FHFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE FHFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	100	IC002-17	OP-UA2	WFH SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	YDHAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

Commented [WC1]: This has been changed to YDAHP per FC.

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	111	IC004-1	OP-UA2	4SLB ENGINE FHFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE FHFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE YD~~H~~AHP BLDG 7004		106.512/06/13/2001[54052]	

Commented [WC2]: This has been changed to YDAHP per FC.

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		106.433/02/28/2019[24538]	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		106.433/02/28/2019[24538]	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		106.433/02/28/2019[24538]	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		106.433/02/28/2019[24538]	
A	137	SC016	OP-UA1	COMPOSITE SITE OPERATIONS		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	139	IC003-27	OP-UA2	NFH EOC BLDG 56506		106.511/09/04/2000[54052]	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000/[54052]	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000/[54052]	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		106.511/09/04/2000/[54052]	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		106.534/09/12/1989[1866]	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		106.262/05/31/2007/[81875, 83515]	
D	151	BOILER11	OP-UA6	STEAM BOILERS		106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		106.265/09/04/2000	

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036		106.495/11/02/2002[52888]	
A	153	ET001	OP-UA1	JET ENGINE TESTING		106.263/08/29/2006[79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING		106.263/08/29/2006[79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/03/07/2003[54052]	
A	153	IC001-16	OP-UA2	DIESEL ENGINE GRANGER LAKE BLDG GRL03		106.511/03/07/2003[54052]	
A	153	IC001-5	OP-UA2	FHFD STATION #5 DIESEL IC EQUIPMENT < 600HP, BLDG 52940		106.511/03/07/2003[54052]	
A	153	IC001-51	OP-UA2	DIESEL ENGINE DOL ADMIN BLDG 89010		106.511/03/07/2003[54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251		106.511/03/07/2003[54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067		106.511/03/07/2003[54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022		106.511/03/07/2003[54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, FH CMNI, BLDG 90500		106.511/03/07/2003[54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR		106.511/03/05/2021[54052]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	

	153	IC002-1	OP-UA2	COLD STORAGE DIESEL IC EQUIPMENT > 600HP, BLDG 89100A		106.511/03/07/2003[54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13		106.511/03/07/2003[54052]	
	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012		106.511/03/07/2003[54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC003-10	OP-UA2	4SLB ENGINE NEC RSC #1 BLDG 29017		106.511/03/07/2003[54052]	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078		106.511/03/07/2003[54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612		106.511/03/07/2003[54052]	
	153	IC003-5	OP-UA2	4SLB ENGINE NEC RSC #5 NORTH BLDG 56304		106.511/09/04/2000[54052]	
	153	IC003-6	OP-UA2	4SLB ENGINE NEC RSC #2 BLDG 4304		106.511/03/07/2003[54052]	
	153	IC003-8	OP-UA2	4SLB ENGINE YDHAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	

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	153	IC003-9	OP-UA2	4SLB ENGINE NEC RSC #3 BLDG 11002		106.511/03/07/2003[54052]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.533/03/14/1997[41479]	
	153	MO006	OP-UA1	FUEL TANKER CLEANING OPERATIONS-BLDG 1949		106.262/10/12/2005[76961]	
	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060		106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041		106.433/05/19/2015[131851]	
	153	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	153	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	153	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	153	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	153	SU001	OP-UA16	433 DEGREASER SITE-WIDE		106.454/04/01/2002[50528]	

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	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949		106.261/09/11/2002[52124]	
	153	ARO10A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO10B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO16A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO16B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO17A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO17B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO18A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO18B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO19A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO19B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO1A	OP-UA1	HAND-WIPE CLEANING OPERATION BLDG 6978		124/05/04/1994	
	153	ARO1B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6978		70/11/05/1986	
	153	ARO20A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO20B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	

	153	ARO21A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO21B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO25A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO25B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO28	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO29	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO2A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		124/05/04/1994	
	153	ARO2B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO30	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90033		41/11/25/1985[50528]	
	153	ARO31	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90051		46/05/08/1972[50528]	
	153	ARO32	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 90098		107/05/04/1994[50528]	
	153	ARO33	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90098		41/11/05/1986[50528]	
	153	ARO34	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 90051		107/05/04/1994[50528]	

	153	ARO35	OP-UA1	ENGINE CLEANING BY FLUSHING, BLDG. 90051		46/05/08/1972[50528]	
	153	ARO36	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 6940		107/05/04/1994[50528]	
	153	ARO37	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7007		107/05/04/1994[50528]	
	153	ARO38	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7021		107/05/04/1994[50528]	
	153	ARO39	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7022		107/05/04/1994[50528]	
	153	ARO3A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		124/05/04/1994	
	153	ARO3B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		80/09/17/1973	
	153	ARO42	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7013		107/05/04/1994[50528]	
	153	ARO43A	OP-UA1	HAND WIPE CLEAINING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO43B	OP-UA1	HAND WIPE CLEANING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO44A	OP-UA1	HAND WIPE CLEAINING, BLDG 90094		70/11/05/1986	
	153	ARO44B	OP-UA1	HAND WIPE CLEANING, BLDG 90094 (AVIM)		70/11/05/1986	
	153	ARO45A	OP-UA1	HAND WIPE CLEAINING, BLDG 707		124/05/04/1994	
	153	ARO45B	OP-UA1	HAND WIPE CLEANING, BLDG 707		124/05/04/1994	
	153	ARO46A	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	

	153	ARO46B	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	
	153	ARO47A	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO47B	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO48A	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO48B	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO49A	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO49B	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO4A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		124/05/04/1994	
	153	ARO4B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		70/11/05/1986	
	153	ARO5A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		124/05/04/1994	
	153	ARO5B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		80/09/23/1982	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707		70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708		70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027		70/06/07/1996	
	153	ARO68	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	

	153	ARO69	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	
	153	ARO6A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO6B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO70	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6978		41/06/07/1996[50528]	
	153	ARO71	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7012/7013		41/06/07/1996[50528]	
	153	ARO72	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7021		41/06/07/1996[50528]	
	153	ARO73	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7022		41/06/07/1996[50528]	
	153	ARO74	OP-UA1	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)		41/06/07/1996[50528]	
	153	ARO75	OP-UA1	ENGINE FLUSH CLEANING, BLDG 707		41/06/07/1996[50528]	
	153	ARO76	OP-UA1	ENGINE FLUSH CLEANING, BLDG 708		41/06/07/1996[50528]	
	153	ARO77	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6972		41/06/07/1996[50528]	
	153	ARO78	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7027		41/06/07/1996[50528]	
	153	ARO79	OP-UA16	COLD PARTS WASHING, BLDG 6940 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO7A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
	153	ARO7B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	

	153	ARO80	OP-UA16	COLD PARTS WASHING, BLDG 6970		106.454/03/14/1997[50528]	
	153	ARO81	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO82	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO83	OP-UA16	COLD PARTS WASHING, BLDG 6978		106.454/03/14/1997[50528]	
	153	ARO84	OP-UA16	COLD PARTS WASHING, BLDG 90094		106.454/03/14/1997[50528]	
	153	ARO85	OP-UA16	COLD PARTS WASHING, BLDG 90094 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO86	OP-UA16	COLD PARTS WASHING, BLDG 707		106.454/03/14/1997[50528]	
	153	ARO87	OP-UA16	COLD PARTS WASHING, BLDG 708		106.454/03/14/1997[50528]	
	153	ARO88	OP-UA16	COLD PARTS WASHING, BLDG 7012		106.454/03/14/1997[50528]	
	153	ARO89	OP-UA16	COLD PARTS WASHING, BLDG 7027		106.454/03/14/1997[50528]	
	153	ARO8A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO8B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO90	OP-UA16	COLD PARTS WASHING, BLDG 88027		106.454/03/14/1997[50528]	
	153	EC002	OP-UA1	SITE-WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
	153	FS011A	OP-UA3	YDHAHP F-24 STORAGE TANK A		106.472/03/14/1997	

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	153	FS011B	OP-UA3	YDHAHP F-24 STORAGE TANK B		~~106.472/03/14/1997~~	
	153	FS011C	OP-UA3	YDHAHP F-24 STORAGE TANK C		~~106.472/03/14/1997~~	
	153	FS011	OP-UA4	YDHAHP F-24 FUELING STATION		~~106.412/03/14/1997~~	
	153	FS018A	OP-UA3	DOL TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	FS018	OP-UA4	DOL FUELING STATION - BIODIESEL		106.412/09/04/2000	
	153	FS019A	OP-UA3	DOL FUELING STATION E-85 STORAGE TANK A		106.472/09/04/2000	
	153	FS019	OP-UA4	DOL FUELING STATION - E-85 GASOLINE		106.412/09/04/2000	
	153	FS020	OP-UA4	NFH FUELING STATION		106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION		106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION		106.412/09/04/2000	
A	153	IC001-13	OP-UA2	NEC REMOTE SERVICE CENTER BLDG 338		106.511/09/04/2000[54052]	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-WFH CLARK GATE BLDG 70017		106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		106.511/09/04/2000[54052]	
	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		106.511/09/04/2000[54052]	
	153	IC001-24	OP-UA2	DIESEL ENGINE RGAAF PRECISION APPROACH RADAR BLDG 90244		106.511/09/04/2000[54052]	

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	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		106.511/09/04/2000[54052]	
	153	IC001-43	OP-UA2	DIESEL ENGINE FHFD - STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155		106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083		106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE DOL MAINFRAME BLDG 88037		106.511/09/04/2000[54052]	
	153	IC001-54	OP-UA2	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	IC001-55	OP-UA2	DIESEL ENGINE FHFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177		106.511/09/04/2000[54052]	
	153	IC001-61	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90177		106.511/09/04/2000[54052]	

	153	IC001-62	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90177		106.511/09/04/2000[54052]	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE		106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040		106.511/09/04/2000[54052]	
	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670		106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154		106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149		106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	

A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010		106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012		106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #1, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #2, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #3, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #4, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	WFH SCIF BLDG 90087		106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE FHFD - RGAAF BLDG 90145		106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048		106.511/09/04/2000[54052]	

	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031		106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		106.511/09/04/2000[54052]	
	153	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	153	IC003-26	OP-UA2	YD~~H~~AHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
A	153	IC003-27	OP-UA2	NFH EOC BLDG 56506		106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016		106.511/09/04/2000[54052]	
	153	IC004-1	OP-UA2	4SLB ENGINE FHFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072		106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159		106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	

Commented [WC13]: This has been changed to YDAHP per FC.

	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS		106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS		106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A		51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B		51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A		51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B		106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C		106.412/09/04/2000	
	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E		106.472/03/14/1997	
	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F		106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G		106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I		106.412/09/04/2000, 106.472/09/04/2000	
	153	ST006A	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK A		106.472/09/04/2000	
	153	ST006B	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK B		106.412/09/04/2000	

	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C		106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D		106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E		106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A		106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B		106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C		106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D		106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E		106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F		106.412/09/04/2000	
	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G		106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C		106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D		106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E		106.472/09/04/2000	

	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F		106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G		106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H		106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I		106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J		106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K		106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L		106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M		106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N		106.472/09/04/2000	
	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O		106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P		106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q		106.472/09/04/2000	
	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S		106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T		106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U		106.472/09/04/2000	

	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V		106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W		106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C		106.472/09/04/2000	
A	153	WL001	OP-UA1	SITE-WIDE WELDING OPERATIONS		106.227/09/04/2000	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	

A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-3	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	AB001	OP-UA57	Abrasive Blasting Room		106.452/02/26/2013[107747]	
A	153	Brake Repair Downdraft Table	OP-UA1	Asbestos Brake Repair and Welding		106.261/08/04/2005[70022], 106.262/08/04/2005[70022]	
A	153	MO007	OP-UA1	Can Crusher		106.261/11/04/2011[98846], 106.262/11/04/2011[98846]	
A	153	Aerosol Can Crusher	OP-UA1	Can Crusher		106.261/08/11/2017[147753], 106.262/08/11/2017[147753]	
A	154	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	

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D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A		§106.472/09/04/2000	
D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B		§106.412/09/04/2000	
	157	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	157	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	157	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	157	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	157	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	157	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	ST001A	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	158	ST001B	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	158	ST001C	OP-UA3	407TH AFSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	158	FS011A	OP-UA3	YDAHP F-24 STORAGE TANK A		106.472/03/14/1997	
	158	FS011B	OP-UA3	YDAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	158	FS011C	OP-UA3	YDAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
	158	IC003-7	OP-UA2	4SLB ENGINE YDAHP BLDG 7004		106.512/06/13/2001[54052]	
	158	IC003-8	OP-UA2	4SLB ENGINE YDAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	

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	158	ST002A	OP-UA3	407TH AFSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	158	ST003A	OP-UA3	407TH AFSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	158	FS011	OP-UA4	YDAHP F-24 FUELING STATION		106.412/03/14/1997	
	158	IC003-26	OP-UA2	YDAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
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Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
109	IC003-5	OP-UA2	A	GRP-ENGINE2
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-REQ2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
157	FS011A	OP-UA3	D	GRPTANK9
157	FS011B	OP-UA3	D	GRPTANK9
157	FS011C	OP-UA3	D	GRPTANK9
157	ST001A	OP-UA3	D	GRPTANK9
157	ST001B	OP-UA3	D	GRPTANK9
157	ST001C	OP-UA3	D	GRPTANK9

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: N/A	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.: N/A	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 24538	Issuance Date: 2/28/2019	Authorization No.:	Issuance Date:
Authorization No.: 88412	Issuance Date: 7/17/2019	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

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Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.183	Version No./Date: 06/18/1997
PBR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.231	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 03/14/1997
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 09/09/1998
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.313	Version No./Date: 09/04/2000
PBR No.: 106.371	Version No./Date: 09/04/2000
PBR No: 106.412	Version No./Date: 03/14/1997
PBR No: 106.412	Version No./Date: 09/04/2000
PBR No: 106.418	Version No./Date: 11/26/1997
PBR No: 106.433	Version No./Date: 03/14/1997
PBR No: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 03/14/1997
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Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

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PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.495	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.533	Version No./Date: 03/14/1997
PBR No.: 106.533	Version No./Date: 11/01/2001
PBR No.: 14	Version No./Date: 10/04/1995
PBR No.: 41	Version No./Date: 11/25/1985
PBR No.: 41	Version No./Date: 11/05/1986
PBR No.: 41	Version No./Date: 06/07/1996
PBR No.: 46	Version No./Date: 05/08/1972
PBR No.: 51	Version No./Date: 09/23/1982
PBR No.: 51	Version No./Date: 11/05/1986
PBR No.: 51	Version No./Date: 10/04/1995
PBR No.: 51	Version No./Date: 06/07/1996
PBR No.: 70	Version No./Date: 11/25/1985
PBR No.: 70	Version No./Date: 11/05/1986
PBR No.: 70	Version No./Date: 07/20/1992
PBR No.: 70	Version No./Date: 06/07/1996
PBR No.: 75	Version No./Date: 04/05/1995
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Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

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PBR No.: 75	Version No./Date: 06/07/1996
PBR No.: 80	Version No./Date: 12/01/1972
PBR No.: 80	Version No./Date: 09/17/1973
PBR No.: 80	Version No./Date: 01/08/1980
PBR No.: 80	Version No./Date: 09/23/1982
PBR No.: 80	Version No./Date: 06/07/1996
PBR No.: 86	Version No./Date: 10/04/1995
PBR No.: 89	Version No./Date: 05/04/1994
PBR No.: 102	Version No./Date: 05/04/1994
PBR No.: 106	Version No./Date: 10/04/1995
PBR No.: 107	Version No./Date: 05/04/1994
PBR No.: 107	Version No./Date: 06/07/1996
PBR No.: 110	Version No./Date: 09/12/1989
PBR No.: 113	Version No./Date: 10/04/1995
PBR No.: 124	Version No./Date: 05/04/1994
PBR No.: 124	Version No./Date: 06/07/1996

♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA

Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ❑ NO

I. Application Type

Indicate the type of application:

☒Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	☒ YES ❑ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	☐ YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	Yes	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117,

						therefore it is an off-permit source, per OP-UA6 instructions.
12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input

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Permit No.:	**O1659**					
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Company Name:	**US Department of the Army**					
						capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are removed in this revision. This

						negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII

Date:	1/19/2022					
Permit No.:	**O1659**					
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33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	Add unit to permit.
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.

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Company Name:	**US Department of the Army**					
44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

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Permit No.:			**O1659**			
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Company Name:			**US Department of the Army**			
56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	IC003-28	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.

Date:	1/19/2022					
Permit No.:	**O1659**					
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Company Name:	**US Department of the Army**					
101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has no associated units with it and does not need to exist in the permit anymore.

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Company Name:	**US Department of the Army**					
113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140 as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117	MS-C	No	IC003-7	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E,

						Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
						63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986, 107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
137	SIG-E	No	WW002	OP-REQ2	106.231/09/04/2000	Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
140	MS-C	No	IC001-10	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
141	MS-C	No	IC001-17	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
142	MS-C	No	IC001-31	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-ENGINE8 now has no associated units with it, and does not need to exist in the permit anymore.
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15 now has no associated units with it, and does not need to exist in the permit anymore.
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
						Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop
153	MS-A	No	Various	Various	Various	Adding PBR Registration Nos. to Unit/Group IDs identified on Form OP-SUMR Table 1
155	SIG-E	No	ST006A	OP-UA3	§106.472/09/04/2000	Unit is OOS; Remove from Title V Permit
156	SIG-E	No	ST006B	OP-UA3	§106.412/09/04/2000	Unit is OOS; Remove from Title V Permit
157	SIG-E	No	Various	OP-UA3	§106.472/03/14/1997 51/11/05/1986	Deleting Unit IDs identified in form OP-SUMR from GRPTANK9; associated units have differing attributes and will be listed individually.
158	ADMIN-A	No	Various	OP-SUMR	Various	Updating Unit/Process Name/Description for 13 units.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?		☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required:	Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision		☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

From:	John Walker
Sent:	Monday, March 4, 2024 2:46 PM
To:	Will Calderon
Cc:	Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject:	RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments:	01-03-2024_OP-UA3_ Revised_JWalker comments_20240303.docx

Good Afternoon,

I have reviewed the 01/04/2024 response to the Working Draft Permit (WDP) for FOP O1659/Project 33269 U.S. Department of the Army/Fort Cavazos. Please provide the requested information as soon as possible but no later than **03/19/2024.**

1. On Form OP-UA3 Table 3, units identified in GRPTANK9 (Unit IDs FS011A-C and ST001A-C) for NSPS Kb applicability have been listed multiple times and with different unit attributes.

    a. I have highlighted the duplicates in yellow for Unit IDs ST001A-C in the attached Form OP-UA03 in Table 3. Please confirm if some of these entries should be removed or if they represent alternate operating scenarios an d should be identified under a different SOP Index No.

    b. Additionally, since some of the units have different unit attributes than others, they cannot be grouped together in GRPTANK9. All units within a group must have the same unit attributes. Units without those attributes should be listed individually (or in another group with units that have matching attributes).

    Please confirm how these units should be documented and provide these updates on Forms OP-2, Form OP-SUMR (Tables 1 and 2), and Form OP-UA3.

2. In regard to the updated Form OP-REQ1 Page 88 submitted:

    a. PBR 106.472/03/14/1997 is documented in the WDP but not on OP-REQ1, Page 88 and is the Preconstruction Authorization (PCA) for several units within the WDP. Was it your intent to remove this PBR from OP-REQ1 Page 88 and the WDP?

    b. Based on your 03/24/2023 response, there should be no permit listed in OP-REQ1 Section XII. J. (Permit No. 88412 issued on 07/17/2019).

    NSR Standard Permit 88412 was provided in OP-REQ1 Section XII. J., but is not a Municipal Solid Waste and Industrial Hazardous Waste Permit with an Air Addendum. I have documented NSR Standard Permit 88412 as an NSR Standard Permit in our database and the WDP.

    In your 03/24/2023 response, you agreed with this change but have provided NSR Standard Permit 88412 on OP-REQ1 Section XII. J in the most recent update. Please

remove Permit No. 88412 from OP-REQ1 Page 88 Section XII. J. and add it to Form OP-REQ1 Page 87, Section XII. H.

3. Please provide an update on the status of the resolution of PBR Registration No. 54052 and providing all necessary updates in regard to PBR changes on Forms OP-2, OP-SUMR, and OP-PBRSUP.

4. Please provide a copy of the Core Data Form that was submitted to the Central Registry so that I may give it to APIRT. This way APIRT can make the name change from Fort Hood to Fort Cavazos in our database.

Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS021A	60Kb-1	GASTN	10K-20K	IFR		NONE3				
FS022A	60Kb-1	PTLQ-3	10K-20K	IFR		NONE3				
ST001A	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST001B	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST001C	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-					
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-					
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-					
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS011A	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		

FS011C	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	IFR				NONE		
ST001B	60Kb-1	PTLQ-3	40K+	IFR				NONE		
ST001C	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		

From: Will Calderon <wcalderon@olsson.com>
Sent: Thursday, January 4, 2024 3:05 PM
To: John Walker
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead; Curtis Hodges
Subject: RE: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments: 01-03-2024_OP-UA3 Revised.docx; 01-03-2024_OP-REQ1 Page 88 Revised.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Mr. Walker,

Thank you for the draft permit for review to continue moving forward with Fort Cavazos's permit renewal. On behalf of Fort Cavazos, please see additional information below regarding one of the bulleted changes from your email:

- The Permit Face still reflects the Fort Hood name/information and not Fort Cavazos. It is my understanding that we are still waiting for a Core Data Form to be processed for this information to be updated.
    - Fort Cavazos response: The Central Registry has acknowledged and changed the Regulated Entity name to "DEPARTMENT OF THE ARMY FORT CAVAZOS" per Core data form submittal. https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.showSingleRN&re_id=703357632002066

Please also see the responses attached and below to your four items of requested information:

1. Please see attached an updated Form OP-UA3 that addresses the "Guidepole" column for units in GRPTANK9 (FS011A-C and ST001A-C).
2. See also in the updated Form OP-UA3 confirmation that your assumption for the "WW Tank Control" column for GRPTANK6 is correct – the code should be "NONE."
3. Please see attached an updated Form OP-REQ1, Page 88. Per the comments in the form, the only change is the deletion of New Source Review Authorization 106.142. This PBR has been canceled and is not needed in the Title V permit. All other listed NSR Authorizations are correct as of the most current information available. Upon resolution of units covered by PBR 54052 being moved to new PBRs owned by Fort Cavazos, Forms OP-SUMR, OP-PBRSUP, and OP-2 will be updated as needed per TCEQ's request. Fort Cavazos is currently in active communication with the contractor that has this PBR to resolve the registration discrepancy.
4. Unit ID TANK12 was renamed to ST003A, which is already incorporated into the WDP. References to TANK12 therefore should not be documented in the database or Title V Permit.

Thank you as well for the additional information regarding Form OP-CRO1, the WDP refinement process, and STEERS submittal options. Fort Cavazos will contact you with any questions upon resolution of their PBR registrations to move forward with these final steps.

Sincerely,

-Will C

Will Calderon, EI, MS
(He, Him, His)
Environmental
C 402.515.8539

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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ocx>

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS021A	60Kb-1	GASTN	10K-20K	IFR		NONE3				
FS022A	60Kb-1	PTLQ-3	10K-20K	IFR		NONE3				
ST001A	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST001B	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST001C	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-					
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-					
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-					
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							
GRPTANK6	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS011A	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		
FS011B	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		

FS011C	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		
ST001A	60Kb-1	PTLQ-3	40K+	IFR				NONE		
ST001B	60Kb-1	PTLQ-3	40K+	IFR				NONE		
ST001C	60Kb-1	PTLQ-3	40K+	IFR				FLOAT		

Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.183	Version No./Date: 06/18/1997
PBR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.231	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 03/14/1997
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 09/09/1998
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.313	Version No./Date: 09/04/2000
PBR No.: 106.371	Version No./Date: 09/04/2000
PBR No: 106.412	Version No./Date: 03/14/1997
PBR No: 106.412	Version No./Date: 09/04/2000
PBR No: 106.418	Version No./Date: 11/26/1997
PBR No: 106.433	Version No./Date: 03/14/1997
PBR No: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 03/14/1997
	[Intentionally left blank]

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.495	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.533	Version No./Date: 03/14/1997
PBR No.: 106.533	Version No./Date: 11/01/2001
PBR No.: 14	Version No./Date: 10/04/1995
PBR No.: 41	Version No./Date: 11/25/1985
PBR No.: 41	Version No./Date: 11/05/1986
PBR No.: 41	Version No./Date: 06/07/1996
PBR No.: 46	Version No./Date: 05/08/1972
PBR No.: 51	Version No./Date: 09/23/1982
PBR No.: 51	Version No./Date: 11/05/1986
PBR No.: 51	Version No./Date: 10/04/1995
PBR No.: 51	Version No./Date: 06/07/1996
PBR No.: 70	Version No./Date: 11/25/1985
PBR No.: 70	Version No./Date: 11/05/1986
PBR No.: 70	Version No./Date: 07/20/1992
PBR No.: 70	Version No./Date: 06/07/1996
PBR No.: 75	Version No./Date: 04/05/1995
	[Intentionally left blank]

Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 75	Version No./Date: 06/07/1996
PBR No.: 80	Version No./Date: 12/01/1972
PBR No.: 80	Version No./Date: 09/17/1973
PBR No.: 80	Version No./Date: 01/08/1980
PBR No.: 80	Version No./Date: 09/23/1982
PBR No.: 80	Version No./Date: 06/07/1996
PBR No.: 86	Version No./Date: 10/04/1995
PBR No.: 89	Version No./Date: 05/04/1994
PBR No.: 102	Version No./Date: 05/04/1994
PBR No.: 106	Version No./Date: 10/04/1995
PBR No.: 107	Version No./Date: 05/04/1994
PBR No.: 107	Version No./Date: 06/07/1996
PBR No.: 110	Version No./Date: 09/12/1989
PBR No.: 113	Version No./Date: 10/04/1995
PBR No.: 124	Version No./Date: 05/04/1994
PBR No.: 124	Version No./Date: 06/07/1996

♦ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum

Permit No.: 88412	Issuance Date: 07/17/2019
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

From: John Walker
Sent: Friday, November 3, 2023 4:50 PM
To: Will Calderon
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); Elizabeth Moorhead
Subject: Working Draft Permit - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Afternoon,

I have conducted a technical review of this application and I have attached an electronic copy of the Working Draft Permit (WDP) for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application and any updates provided.

Please note that not all information in this working draft permit is accurate as we are still waiting for information to be updated. I wanted to give this to you so we may start refining the information in the permit while the PBR/RN information is still being worked on with other elements of the TCEQ. Please make comments directly on the WDP as necessary. Please note that this WDP reflects all information currently in our database and I have made the following changes:

- All permit shields requested on Form OP-REQ2 due to the site not being in an applicable county for the identified rule will not be added since the rule is not potentially applicable. I have highlighted other permit shields in red that are from the effective permit that will also be removed under this pretense.

- All units documented for MACT GG applicability have either been removed from the permit completely, or have been moved to OP-REQ2 to retain their permit shields. Since the site is not major for HAPS, the units are not subject to MACT GG . GROUP IDs SU001, SU002, GRPAROHCA, GRPAROHCB, and Unit ID AB001 have been removed from OP-UA57 for MACT GG. All the SC*** units have been removed from OP-UA18 for MACT GG but have been documented on Form OP-REQ2 to retain their permit shields.

  If you would like MACT GG permit shields for these units, please document them on Form OP-REQ2.

- I have not added any PBR Registration information for any units due to anticipated changes.

- For Unit ID IC000-9, I have removed permit shields for MACT ZZZZ due to the unit having applicable requirements for MACT ZZZZ identified in the Applicable Requirements Summary Table.

- The Permit Face still reflects the Fort Hood name/information and not Fort Cavazos. It is my understanding that we are still waiting for a Core Data Form to be processed for this information to be updated.

- There are a few items below that still need to be resolved in order for the units to be reflected accurately in the working draft permit.

Please review the WDP and submit to me any comments you have regarding it by 01/05/2024. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

Please provide the requested information below by **01/05/2024**:

1. Please provide Group ID GRPTANK9 SOP Index No. 60Kb-1 on Form OP-UA3 Table 3. An additional code is required for "Guidepole".

2. Please provide Group ID GRPTANK6 SOP Index No. 60KB-1 on Form OP-UA3 Table 3. An additional code is required for "WW Tank Control". I have interpreted the answer as "NONE" and the requirements in the applicable requirements summary table reflect this. Please confirm the right code for "WW Tank Control".

3. Please review all the preconstruction authorizations. Please submit an updated Form OP-REQ1 88 as needed.

   Please note that the OP-REQ1 Page 88, Form OP-PBRSUP, and the Preconstruction Authorization Tables in the Draft Permit need to be consistent. There are cases in which a unit will appear on Form OP-PBRSUP but not in the Title V permit due to the unit having no applicable requirements documented in the Title V Permit. If a unit is authorized by a PBR in the Title V permit, it should be reflected on either Table A or B and have its monitoring identified in Table D.

   Please update Forms OP-SUMR, OP-PBRSUP, and OP-2 as needed to reflect all changes in PBR Registrations.

   I understand that some PBR information is still being worked on but please provide as much updated accurate information as possible.

4. Unit ID TANK12 is documented in our database on Form OP-UA03 but has no information other than a Preconstruction Authorization. Should this unit be documented in our database or the Title V Permit?

Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which

includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1. This form will be requested at a later date.

If you choose to submit your application updates through STEERS, please notify me when these updates have been submitted.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Dan Sims
Sent: Monday, September 18, 2023 1:47 PM
To: Will Calderon; Bernadette Segala
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Goodwin, Sean D CIV USARMY ID-READINESS (USA); John Walker; Elizabeth Moorhead; Jesse Chacon; Nick Steinke
Subject: RE: RN101612083 PBR Registration and Title V Permit Application Meeting

I can be available to meet on 9/19 starting at 3pm. The listed timeframes for 9/25 and 9/27 would also work for me.

Thanks,

Dan Sims
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163 Austin, TX 78711
Phone: (512) 239-2118
dan.sims@tceq.texas.gov

How is our customer service? Fill out our customer satisfaction survey at www.tceq.texas.gov/customersurvey.

From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, September 18, 2023 11:39 AM
To: Bernadette Segala <bernadette.segala@tceq.texas.gov>; Dan Sims <dan.sims@tceq.texas.gov>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Goodwin, Sean D CIV USARMY ID-READINESS (USA) <sean.d.goodwin2.civ@army.mil>; John Walker <John.Walker@tceq.texas.gov>; Elizabeth Moorhead <elizabeth.moorhead@tceq.texas.gov>; Jesse Chacon <jesse.chacon@tceq.texas.gov>; Nick Steinke <nsteinke@olsson.com>
Subject: RN101612083 PBR Registration and Title V Permit Application Meeting

Good morning Ms. Segala and Mr. Sims,

Fort Cavazos's (FC) Title V permit renewal application reviewer, Mr. John Walker, has requested a timeline for when the final PBRs for the facility (RN101612083) will be registered. The remaining PBR to be fixed is PBR 54052. This permit is registered with a contractor for the facility, American Water (AW) (RN105671531), and covers cooling tower and engine units that need to be removed and re-registered under new PBRs owned by FC. Before this transition can happen, American Water is awaiting TCEQ's processing of Core Data Forms that relate to Fort Cavazos's name change from Fort Hood.

To get all parties involved in the finalization of these PBRs on the same page, **Olsson is requesting a half-hour Microsoft Teams meeting** between both of you, the Title V application review team, FC, and Olsson. I have received the availability of FC and the Title V team, which align in the times below over the next two weeks. If this meeting is acceptable for each of you, **please reply with the times that work** of those below, and I will send everyone on this email the Teams invite.

Tuesday (9/19): 2pm – 5pm
Monday (9/25): 2:30pm – 5pm
Wednesday (9/27): 3pm – 5pm

Will Calderon, EI, MS
(He, Him, His)
Environmental
C 402.515.8539

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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From: John Walker
Sent: Thursday, September 14, 2023 8:41 AM
To: Will Calderon
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); sean.d.goodwin2.civ@army.mil
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Morning,

I have spoken with my management and they would like to attend. I have posted their availability below. I share their availability.

Elizabeth Moorhead – APD Operating Permits Team Leader
elizabeth.moorhead@tceq.texas.gov

- Monday (09/18) – All Afternoon
- Tuesday (09/19) – All Day except from 1:30 – 1:45 PM
- Thursday (09/21) – All Day except from 10:00 – 11:00 AM
- Monday (09/25) – All Day except from 1:00 – 2:00 PM
- Wednesday (09/27) – All Day
- Friday (09/29) – All Day

Jesse Chacon – APD Operating Permits Section Manager
jesse.chacon@tceq.texas.gov

- Monday (09/18) – All Afternoon
- Tuesday (09/19) – 11:00 AM – 12:00 PM
- Thursday (09/21) – All Day except from 10:00 – 11:00 AM
- Monday (09/25) – All Day except from 2:30 PM to end of day
- Wednesday (09/27) – All Day except from 1:30 – 2:30 PM
- Friday (09/29) – Not available

Please let me know if you require additional information or have any questions.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Will Calderon <wcalderon@olsson.com>
Sent: Wednesday, September 13, 2023 1:08 PM
To: John Walker
Cc: Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA)
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good afternoon John,

PBR 54052 is the final PBR that needs to be corrected to complete form OP-PBRSUP for Fort Cavazos (RN101612083). The current contractor that has ownership of that PBR is American Water (RN105671531). Regarding the possible timeline for when this last PBR can be sorted out, American Water (AW) must wait for the TCEQ to complete its processing of new Core Data Forms submitted by AW on June 20, 2023. Once the name change (and accompanying CN and RN changes) is complete, AW can remove the units under PBR 54052 that are owned by Fort Cavazos, and then Fort Cavazos can apply for new PBRs under their ownership to register those units.

American Water's TCEQ contact for this changeover is Ms. Bernadette Segala. To establish a timeline and some communication between the different entities involved with this process, Olsson is requesting a meeting between you, Ms. Segala, and Mr. Dan Sims with the APIRT team. In this meeting, all participants would be able to describe the status of their portions of the project, and a plan with a general timeline can be set.

If you agree that this coordination meeting would be helpful, please let me know the times during the week of September 18th and the week of September 25th that would work for you to attend this 30-minute meeting. I will then generate a new email thread with Ms. Segala and Mr. Sims to propose this meeting, present those times to them, and finalize the time. My availability is below for the two weeks mentioned (all in CST).

9/18-9/20: All working hours
9/21: 1pm-5pm
9/25: 10:30am-12pm, 2:30pm-5pm
9/27: 3pm-5pm
9/29: 8am-12pm

Apologies for not having a direct answer yet as to the ultimate timeline for the completion of OP-PBRSUP, but hopefully this communication will help with that answer!

Thank you,

-Will C

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Friday, August 25, 2023 4:59 PM
To: Will Calderon <wcalderon@olsson.com>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

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Good Afternoon,

Thank you for the update. Do you have a timeline or estimate on when the last PBR will be submitted?

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Will Calderon <wcalderon@olsson.com>
Sent: Friday, August 25, 2023 11:22 AM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning,

Fort Hood has been undergoing a name change to Fort Cavazos. A Contractor (RN105671531) for Fort Cavazos (FC) has therefore had to submit a Core Data Form so their Regulated Entity number and Customer Numbers coincide with FC's new name. This has been submitted successfully and is in process by the TCEQ as of this month.

The final PBR action item involves PBR 54052, which is registered with this Contractor. Some of the units under that PBR are actually owned by FC, not the Contractor. Therefore, FC and the Contractor will work with the APIRT team to remove from PBR 54052 any generators and cooling towers that FC owns. Once FC confirms this is completed, we will be able to proceed with re-registering these generators and cooling towers under new PBRs associated with FC (RN101612083). Those new PBRs can then be added to form OP-PBRSUP, and we will turn that completed form around to you for final review.

Thank you,

-Will C

Will Calderon, EI, MS
(He, Him, His)
Environmental
C 402.515.8539

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Omaha, NE 68106
O 402.341.1116

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Thursday, August 24, 2023 2:07 PM
To: Will Calderon <wcalderon@olsson.com>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

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Good Afternoon,

Could you please provide a status update in regard to the PBR and RN deficiencies you have been working with the Rules Registration Section and APIRT for.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality

MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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>

From: Will Calderon <wcalderon@olsson.com>
Sent: Monday, March 27, 2023 2:21 PM
To: John Walker
Cc: Tim Plander; Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA)
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good afternoon,

Yes of course. Olsson and Fort Hood representatives met with Dan Sims with APIRT on February 14. We went through each claimed and registered PBR Fort Hood has under RN101612083 to confirm that its status of registered or claimed is correct. We have compiled a brief list of items to review internally based on our talk with Mr. Sims and will be working on resolving them now that the list of discrepancies has been returned to you. For PBRs registered under other Reg. Numbers, Fort Hood has sent Olsson a list of which units should be moved to RN101612083. Olsson will be working with Mr. Sims to have these units transferred to the proper number. Information for these PBRs will then be entered into Form OP-PBRSUP.

Thank you,

-Will C

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, March 27, 2023 2:06 PM
To: Will Calderon <wcalderon@olsson.com>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

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Good Afternoon,

I am confirming receipt of your submittal. I will review the submitted information as soon as possible. Could you also please inform me on your status of working with the Rules Registration Section and APIRT in sorting out the deficiencies identified with PBRs and Form OP-PBRSUP.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Will Calderon <wcalderon@olsson.com>
Sent: Friday, March 24, 2023 7:13 PM
To: John Walker
Cc: Tim Plander; Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA)
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments: 3-24-2023_OP-SUMR Revised.docx; 3-24-2023_ OP-2 Revised.docx; 3-24-2023_OP-UA2 Revised.docx; 3-24-2023_OP-UA3 Revised.docx; 3-24-2023_OP-UA4 Revised.docx; 3-24-2023 OP-UA6 Revised.docx; 3-24-2023_OP-UA18 Revised.docx; FINAL DRAFT FOP O1659_Project 33269_U.S. Department of the Army_Fort Hood_Deficiencies_Fort Hood Responses_20230322.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good evening,

Please see attached a copy of the list of discrepancies with Fort Hood's answers and responses in red. Please also see attached the pertinent OP-UA forms, and update Forms OP-2 and OP-SUMR that reflect edits addressed in the list of discrepancies. Thank you for the feedback, and Olsson and Fort Hood will continue to be ready for additional requests for information as you conduct your review.

Will Calderon, EI, MS
(He, Him, His)
Environmental

C 402.515.8539

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Omaha, NE 68106
O 402.341.1116

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From: Will Calderon <wcalderon@olsson.com>
Sent: Friday, February 24, 2023 8:34 AM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-

READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: Re: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning,

Thank you for the information. Olsson will begin work on these updates and have them ready as soon as possible.

-Will C

> On Feb 24, 2023, at 9:45 AM, John Walker <John.Walker@tceq.texas.gov> wrote:
>
> Good morning,
>
> I am currently reviewing the renewal application for FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood. Please provide the following updates as soon as possible but no later than **03/27/2023:**
>
> 1. Please provide the information requested in the attached document.
>
> Note that a Certification by the Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted once all items have been reviewed and resolved, I will request the form at a later time. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.
>
> Thank you for your cooperation. Please let me know if you have any questions.
>
> Sincerely,
>
> **John Walker**
> Permit Reviewer
> OA/Air Permits Division/OP Section
> Texas Commission on Environmental Quality
> MC-163, P.O. Box 13087
> Austin, TX 78711-3087
>
> Phone: (512) 239-1277
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FOP O1659/Project 33269
U.S. Department of the Army/Fort Hood
Deficiencies – 02/24/2023

Good morning,

I am currently reviewing the renewal application for FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood. Please provide the following updates as soon as possible but no later than **03/27/2023:**

1. Revisions Nos. 140, 141, and 142 on Form OP-SUMR Table 1 are requesting the removal of Unit IDs IC001-10, IC001-17, and IC001-31 from the Title V Permit but there are no corresponding Form OP-2 Table 2 revisions.

   Please confirm if these units are to be removed from the permit and provide an updated Form OP-2 with corresponding revisions that request their removal. Units ARE to be removed; Form OP-2 has been updated with these requests.

2. Revision No. 136 on Form OP-2 is requesting the removal of Group ID SU002 and associated Unit IDs from the Title V Permit but there is no corresponding revision on Form OP-SUMR.

   Please confirm if this Group ID and associated units are to be removed from the permit and provide an updated Form OP-SUMR, Tables 1 & 2, with a corresponding revision that requests the removal of Group ID SU002. Group and its associated units ARE NOT to be removed; Revision No. 136 on Form OP-2 has been deleted.

3. NSR Standard Permit 88412 was provided in OP-REQ1 Section XII. J., but is not a Municipal Solid Waste and Industrial Hazardous Waste Permit with an Air Addendum. I have documented NSR Standard Permit 88412 as an NSR Standard Permit in our database and the Title V Permit. Please confirm if you agree with this change and if so, please update Form OP-REQ1 for your records with NSR Standard Permit 88412 listed in OP-REQ1 Page Section XII. H. NSR Standard Permit 88412 has been deleted from Form OP-REQ1 Section XII. J and is listed in Section XII. H.

4. Revisions 121, 123, 125, 127 on Form OP-SUMR Table 1 for Unit IDs SC004, SC005, SC006, and SC007, have too long of Unit/Process Name/Descriptions to be maintained in our database.

   Please provide a Unit/Process Name/Description for the identified units that is 50 or less characters long per the Form OP-SUMR Instructions. Unit/Process Name/Descriptions for Revisions 121, 123, 125, and 127 have been sufficiently abbreviated.

5. Form OP-REQ1 Section XI. B. Question 1 was answered "YES" but Question 2 was left blank. Please confirm if the application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form.

   If so, please provided an updated Form OP-REQ1 Section XI. B. Question 2 to identify the rule(s).

   In our database, we have the following information from a previous application: 63 SUBPARTS: QQQQ, ZZZZ, DDDDD, GGGGG, PPPPP. (Please keep in mind that MACT ZZZZ is now on OP-UA2,

MACT DDDDD is now on OP-UA5 & 6, MACT GGGGG is now on OP-UA3, 12, 14, 15, 45, 52, 55). Reference to 40 CFR Part 63, Subparts QQQQ and PPPPP have been listed in Form OP-REQ1 Section XI. B. Question 2.

6. Please provide the following UA Forms with the requested information for the identified units. Please note that in instances where Group IDs exist, you only need to provide the Group ID instead of every individual unit on the UA Form:

    a. Form OP-UA02

        i. Table 2

            1. Unit/Group ID: GRP-ENGINE5 (IC003-6, IC003-7, IC003-8, IC003-9)

                a. Unit IDs IC003-6, IC003-8, and IC003-9 were provided on Form OP-UA02 Table 2a for MACT ZZZZ applicability, but IC003-7 was not. Are all the units still considered to be part of GRP-ENGINE5 and still have the same unit attributes? Unit IC003-7 is out of service and is to be deleted from the Title V Permit. This revision has been added as Revision 117 on Form OP-2. It has been reflected on Form OP-SUMR, and the unit's information has been added to Form OP-UA2.

            2. Many units were provided on Tables 2b and 2c with an SOP Index No. but no additional codes. If these units are not required to be on these tables according to the form instructions, please remove them. The units are not required to be on Tables 2b and 2c and have been removed.

        ii. Table 4

            1. Unit IDs: GRP-ENGINE16 (IC003-16, IC003-17), GRP-ENGINE4 (IC004-5, IC004-6, IC004-7)

                a. Form OP-UA02 was updated on 11/22 and an updated form is required. A code of "EXEMPT" or "NONE" is required for Exemption on Table 4a for NSPS JJJJ applicability. All information has been transferred to the updated UA-2 form, and the codes in Table 4a have been properly entered.

            2. Unit ID: IC003-4

                a. On Table 4b, for NSPS JJJJ applicability, the code "N0109+E" was provided for Manufacture Date. N0109+E is used for Emergency SI ICE that are greater than 25 HP and less than 130 HP, but the code "130-500E" was provided on Table 4a for Horsepower which is for Emergency SI ICE with a maximum engine power greater than or equal to 130 HP and less than 500 HP.

Using the two codes “N0109+E” and “130-500E” provide inconsistent unit attributes. Please provide an updated Form OP-UA02 Table 4 with the correct codes for NSPS JJJJ applicability. The code for this unit has been updated to N0111+E to properly reflect its manufacture date and bhp rating.

3. Unit/Group ID: GRP-ENGINE10 (IC003-18, IC003-19, IC003-20)

    a. On Form OP-UA02, Table 4a for NSPS JJJJ applicability, Unit ID IC003-19 was provided, which is part of GRP-ENGINE10 but the other units in the group were not included.

    Are all the units still considered to be part of GRP-ENGINE10 and still have the same unit attributes? Yes, they are still part of this group. IC003-18 and IC003-20 have been added to Tables 4a and 4b.

4. On Form OP-UA02, Table 4a, for NSPS JJJJ applicability, for all units provided in the application, the code “NO” was provided for Exemption. NO is not a valid code. Did you mean “NONE”? Please confirm the correct code. The correct code “NONE” has been added for all units.

iii. Table 5

1. Unit IDs/Group: GRP-ENGINE12 (IC001-46, IC001-55), IC001-48, IC001-49, IC001-56

    a. Table 5c for NSPS IIII applicability, the code “E130-68” was provided for Kilowatts. E130-68 is not a valid code. Did you mean “E130-368”? Please confirm the correct code. The correct code “E130-368” has replaced the invalid code.

    b. Form OP-UA02 was updated on 11/22 and an updated form is required. A code of “YES” or “NO” is required for AECD on Table 5c. All information has been transferred to the updated UA-2 form, and the codes in Table 5c have been properly entered.

2. Unit IDs: IC001-82, IC001-84

    a. Form OP-UA02 was updated on 11/22 and an updated form is required. On Table 5b a code for model year is required. On Table 5c, a code of YES or NO is required for AECD.

    Model years have been added to form OP-UA2. Unit IC001-82 (2022) is renamed to IC003-28; Forms OP-UA2, OP-SUMR, and OP-2 have been edited to reflect this name change. Unit model year for IC001-84 is 2021.

3. Unit/Group IDs: IC001-53, IC001-65, IC001-66, IC001-67, IC001-68,

IC001-69, IC001-70, GRP-ENGINE3 (IC001-71, IC001-74), IC001-72, IC001-75, IC001-77, IC001-78, IC001-79, IC001-81, IC001-83, IC001-85, IC001-86, IC001-87, IC001-88, GRP-ENGINE18 (IC002-3, IC002-4, IC002-5) GRP-ENGINE19 (IC002-10, IC002-11, IC002-12, IC002-13), IC002-14, IC002-15, IC002-16, IC002-18

a. Form OP-UA02 was updated on 11/22 and an updated form is required. A code of "YES" or "NO" is required for AECD on Table 5c. All information has been transferred to the updated UA-2 form, and the codes in Table 5c have been properly entered.

4. Unit ID: IC002-17

a. Table 5b for NSPS IIII applicability, a code for model year is required. Model year for IC002-17 (2020) has been added.

b. Table 5c for NSPS IIII applicability, the code "E368-500" was provided for Kilowatts. E368-500 is not a valid code. Please confirm the correct code. The code for this unit has been updated to E368-560 to properly reflect its manufacture date and bhp rating.

iv. Various Tables

1. Unit IDs: IC004-2, IC004-3, IC004-8

a. Please confirm if these units should be removed. These units were provided on Forms OP-2 and OP-SUMR in revisions 112, 113, and 115 stating they should be removed from the permit, but were provided on Form OP-UA02 with unit attributes for MACT ZZZZ on Table 2a (IC004-2, IC004-3, IC004-8) and NSPS JJJJ on Table 4a, 4b (IC004-8). IC004-2 is to be removed as this is a dual-fueled gensets. Requirements are now under IC-90145; IC004-3 is to be removed as this is a dual-fueled gensets. Requirements are now under IC-90048; IC004-8 is to be removed as this is a dual-fueled gensets. Requirements are now under IC-90140; See Form OP-2 Table 2 line items: 112, 113 and 115. All three units have been removed from form OP-UA2.

b. Form OP-UA03

i. Table 3

1. Unit/Group IDs: ST005H, ST005I, ST005J, ST006C, ST006D, GRPTANK9 (Unit IDs: ST001A, ST001B, ST001C),

a. Form OP-UA3 was recently revised, and updated codes are required. Please provide a code for WW Tank Control. GRPTANK9 = IFR; all others are NONE. ST005J does not exist and has been removed from the Title V permit renewal application Form OP-UA03.

2. Group ID: GRPTANK8 (ST005A, ST006E, ST008S, ST008T, ST008U, ST008V, ST008W, ST009F)

    a. Unit attributes were provided for Unit ID ST006E with a different SOP Index No. (60Kb-1) than the rest of GRPTANK8 (60Kb-6). Is Unit ID ST006E still part of GRPTANK8? If so, please confirm the correct SOP Index No. for GRPTANK8. The SOP Index No. for this unit has been corrected to 60Kb-6.

    b. Form OP-UA3 was recently revised, and updated codes are required. Please provide a code for WW Tank Control. ST005A is a UST. All others are HFR; therefore, WW Tank Control Code is NONE. GRPTANK8 max TVP is 2.1. Tank specs have been added to form OP-UA03.

3. Unit IDs: ST002A, ST005G

    a. Unit IDs are within our database on Form OP-UA03 without any unit attributes, and are on Form OP-REQ2 for a Permit Shield for 30 TAC Chapter 115, Storage of VOCs.

    Please confirm if there should be unit attributes on Form OP-UA3 for the identified units. If there are not any unit attributes, I will remove the units from Form OP-UA03 but keep them on Form OP-REQ2. ST002A is a 11,900 diesel Vertical Fixed Roof Tank and ST005G is a 2000 gal, Horizontal Fixed Roof diesel tank. PTLQ-3, max 2.1 psia. Control: NONE.

4. Unit/Group ID: GRPTANK11 (Unit IDs ST004A, ST004B)

    a. Group ID GRPTANK11 is within our database on Form OP-UA03 without any unit attributes, and are on Form OP-REQ2 for a Permit Shield for NSPS Ka.

    Please confirm if there should be unit attributes on Form OP-UA3 for the identified units. If there are not any unit attributes, I will remove the units from Form OP-UA03 but keep them on Form OP-REQ2. ST004A and ST004B are 541,380 gal F-24 Vertical tanks, Control: IFR; No unit attributes, RVP: < 1.0 psia

5. Unit IDs: ST006A, ST006B

a. On Form OP-UA03, Table 3, it was stated that these two units were removed but there are no corresponding revisions on Form OP-2 or OP-SUMR requesting the units to be removed from the Title V Permit.

   Please confirm if these units are to be removed. If they are to be removed, please provided revisions on Form OP-2 and OP-SUMR requesting their removal. Yes, these units are to be removed. Revisions have been made to Forms OP-2 and OP-SUMR requesting their removal.

   If they are not to be removed, Form OP-UA3 was recently revised, and updated codes are required. Please provide a code for WW Tank Control.

   Please note these units are part of GRPTANK6 and the SOP Index No. provided on Form OP-UA03, Table 3 was 60Kb-1 when GRPTANK6 has the SOP Index No. 60Kb-4 in the effective permit. All units within a group are required to have the same unit attributes and SOP Index No. As a confirmation, all units in GRPTANK6 should be 60Kb-4. ST006A and ST006B should both be removed.

   GRPTANK6 includes Unit IDs: ST005B, ST005C, ST005F, ST006A, ST006B, ST006C, ST006D, ST007A, ST007C, ST007D, ST007E, ST007F, ST007G, ST008A, ST008B, ST008C, ST008D, ST008E, ST008F, ST008G, ST008H, ST008I, ST008J, ST008K, ST008L, ST008M, ST008N, ST008O, ST008P, ST008Q, ST009A, ST009B, ST009C, ST009D, ST009E, ST010A, ST010B, ST010C

6. The following units were either provided on Form OP-UA03 Table 3 in this application or are in the effective permit and our database on Form OP-UA03 with SOP Index Nos. that do not align with our SOP Index No. Guidance.

   You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

   additional_fop_guidance.pdf (texas.gov)

   Please provide the following units on Form OP-UA03 Table 3 with SOP Index Nos. that align with our SOP Index No. Guidance. I have listed the units below with their current SOP Index No:

   a. Unit ID FS021A - the SOP Index No. V-1 does not align with our SOP Index No. guidance for NSPS Kb. SOP Index No. has been corrected to 60Kb-1.

b. Unit IDs FS019A, ST005E, and ST007B - SOP Index No 115B1 does not align with our SOP Index No. guidance for NSPS Kb. SOP Index No. has been corrected to 60Kb-1.

c. OP-UA04

i. Table 1

1. The following units were either provided on Form OP-UA04 Table 1 in this application or are in the effective permit and our database on Form OP-UA04 with SOP Index Nos. that do not align with our SOP Index No. Guidance.

   You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

   additional_fop_guidance.pdf (texas.gov)

   Please provide the following units on Form OP-UA04 Table 1 with SOP Index Nos. that align with our SOP Index No. Guidance. I have listed the units below with their current SOP Index No:

   a. Unit ID MO006 - SOP Index No. 115E3 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C. SOP Index No. has been corrected to R5211.

   b. Unit ID LR001 - SOP Index No. V-1 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C. SOP Index No. has been corrected to R5211.

   c. Unit IDs: FS020, FS021, FS022 – SOP Index No. 115C does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C. SOP Index No. has been corrected to R5211.

   d. Unit IDs: FS018, LR002 – SOP Index No. 115C1 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C. SOP Index No. has been corrected to R5211.

   e. Unit IDs: FS011, FS019 – SOP Index No. 115C2 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C. SOP Index No. has been corrected to R5211.

d. Form OP-UA06

i. Various Tables

1. Group ID EC001 (BLR36071-1, BLR36071-2, BLR36071-3, BLR36071-4)

a. SOP Index Nos. (112-1) on Tables 1a, 3a, 4a, 4b, and 7 are not consistent with our SOP Index No. Guidance for NSPS Subparts D, Db, Dc, and 30 TAC Chapter 112 respectively.

Please provide SOP Index Nos. consistent with our SOP Index No. Guidance. You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

additional_fop_guidance.pdf (texas.gov)

SOP Index Nos. have been corrected to 60D, 60Db, 60Dc, and R200 for NSPS Subparts D, Db, Dc, and 30 TAC Chapter 112, respectively.

b. Form OP-UA06 Table 7 (SOP Index No. 112-1) needs an additional code for Heat Input and additional codes may be required based upon the form instructions. Boilers are dual-fuel fired. 14.29 MMBTU/Hr and 102 GPH. Effective stack height is less than standard effective stack height. Form OP-UA6 Table 7 has been updated with 250L- heat input code and YES for "Stack Height."

e. Form OP-UA17

i. Table 1

1. Unit ID SU003

a. Unit ID SU003 is on Form OP-UA17 Table 1 for NSPS NNN applicability but has the SOP Index No. R115. R115 is not consistent with our SOP Index No. guidance for NSPS NNN.

Please provide SOP Index Nos. consistent with our SOP Index No. Guidance. You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

additional_fop_guidance.pdf (texas.gov)

An SOP Index No. of 60NNN is recommended for Unit ID SU003.

f. Form OP-UA18

i. Various Tables

1. Unit IDs: SC001, SC002, SC004, SC005, SC006, SC009, SC011, SC013, SC017

    a. The identified units are on Form OP-UA18 Table 9a for MACT GG applicability in our database and the effective permit but have the SOP Index No. R115E2. R115E2 is not consistent with our SOP Index No. guidance for MACT GG.

    Please provide SOP Index Nos. consistent with our SOP Index No. Guidance. You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

    additional_fop_guidance.pdf (texas.gov)

    SOP Index Nos. have been corrected to 63GG.

2. Unit ID: SC003, SC007, SC015

    a. The listed units are within our database on Form OP-UA18 without any unit attributes, and are on Form OP-REQ2 for various permit shields.

    Please confirm if there should be unit attributes on Form OP-UA18 for the identified units. If there are not any unit attributes, I will remove the units from Form OP-UA18 but keep them on Form OP-REQ2. Unit attributes have been added to units SC003, SC007, and SC015 in Form OP-UA18. For "Contains Operations Identified in 40 CFR § 63.741(c)" column, entry of "YES" was added for each unit. For "40 CFR § 63.741(f) Exemption" column, entry of "YES" was added for each unit.

Note that a Certification by the Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted once all items have been reviewed and resolved, I will request the form at a later time. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation. Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087

Austin, TX 78711-3087

Phone: (512) 239-1277

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Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date	Permit No.:	Regulated Entity No.
1/19/2022	O1659	RN101612083

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
FS011	R5211	MOTOR							
FS018	R5211	MOTOR							
FS019	R5211	MOTOR							
FS020	R5211	MOTOR							
FS021	R5211	MOTOR							
FS022	R5211	MOTOR							
LR001	R5211	MOTOR							
LR002	R5211	MOTOR							
LR003	R5211	MOTOR							
MO006	R5211	MOTOR							

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
FS019A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020A	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS020B	60Kb-1	PTLQ-3	10K-20K	NONE	2.2-					
FS021A	60Kb-1	GASTN	10K-20K	IFR		NONE3				
FS022A	60Kb-1	PTLQ-3	10K-20K	IFR		NONE3				
ST001A	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST001B	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST001C	60Kb-1	PTLQ-3	40k+	IFR		NONE3				
ST002A	60Kb-1	PTLQ-3	10k-20k	NONE	2.2-					
ST005A	60Kb-1	PTLQ-3	20k-40k	NONE	2.2-					
ST005G	60Kb-1	PTLQ-3	10k-	NONE	2.2-					
ST005H	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST005I	60Kb-1	PTLQ-3	20K-40K	NONE	2.2-					
ST006A (Removed)	60Kb-4	PTLQ-3	20K-40K							
ST006B (Removed)	60Kb-4	PTLQ-3	20K-40K							

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

***Note*: All IC001, IC002, and IC005 units are Compression Ignition (CI) engines. All IC003 and IC004 units are Spark Ignition (SI) engines.**

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC001-5	63ZZZZ	AREA	100-	02-	Yes		
IC001-8	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-9	63ZZZZ	AREA	100-	02-06	No	EMER-A	CI
IC001-13	63ZZZZ	AREA	100-	02-06	No	EMER-A	CI
IC001-14	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-16	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-18	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-21	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-22	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-24	63ZZZZ	AREA	100-250	02-	No	EMER-A	CI
IC001-25	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI

IC001-30	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-36	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-43	63ZZZZ	AREA	300-500	02-06	Yes		
IC001-44	63ZZZZ	AREA	500+	02-06	No	EMER-A	CI
IC001-46	63ZZZZ	AREA	250-300	06+			
IC001-47	63ZZZZ	AREA	100-250	02-06	Yes		
IC001-48	63ZZZZ	AREA	100-250	06+			
IC001-49	63ZZZZ	AREA	100-250	06+			
IC001-51	63ZZZZ	AREA	300-500	02-	No	EMER-A	CI
IC001-53	63ZZZZ	AREA	100-250	06+			
IC001-55	63ZZZZ	AREA	250-300	06+			
IC001-56	63ZZZZ	AREA	100-250	06+			
IC001-60	63ZZZZ	AREA	250-300	06+			
IC001-61	63ZZZZ	AREA	250-300	06+			
IC001-62	63ZZZZ	AREA	250-300	06+			
IC001-65	63ZZZZ	AREA	100-250	06+			
IC001-66	63ZZZZ	AREA	300-500	06+			
IC001-67	63ZZZZ	AREA	300-500	06+			
IC001-68	63ZZZZ	AREA	300-500	06+			
IC001-69	63ZZZZ	AREA	100-250	06+			

IC001-70	63ZZZZ	AREA	100-	06+			
IC001-71	63ZZZZ	AREA	100-	06+			
IC001-72	63ZZZZ	AREA	100-250	06+			
IC001-74	63ZZZZ	AREA	100-	06+			
IC001-75	63ZZZZ	AREA	100-250	06+			
IC001-76	63ZZZZ	AREA	100-250	06+			
IC001-77	63ZZZZ	AREA	300-500	06+			
IC001-78	63ZZZZ	AREA	100-	06+			
IC001-79	63ZZZZ	AREA	100-	06+			
IC001-81	63ZZZZ	AREA	300-500	06+			
IC003-28	63ZZZZ	AREA	100-250	06+			
IC001-83	63ZZZZ	AREA	100-	06+			
IC001-84	63ZZZZ	AREA	100-250	06+			
IC001-85	63ZZZZ	AREA	100-250	06+			
IC001-86	63ZZZZ	AREA	100-250	06+			
IC001-87	63ZZZZ	AREA	100-	06+			
IC001-88	63ZZZZ	AREA	100-	06+			
IC002-1	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-3	63ZZZZ	AREA	500+	06+			
IC002-4	63ZZZZ	AREA	500+	06+			

IC002-5	63ZZZZ	AREA	500+	06+			
IC002-6	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-7	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-8	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-9	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-10	63ZZZZ	AREA	500+	06+			
IC002-11	63ZZZZ	AREA	500+	06+			
IC002-12	63ZZZZ	AREA	500+	06+			
IC002-13	63ZZZZ	AREA	500+	06+			
IC002-14	63ZZZZ	AREA	500+	06+			
IC002-15	63ZZZZ	AREA	500+	06+			
IC002-16	63ZZZZ	AREA	500+	06+			
IC002-17	63ZZZZ	AREA	500+	06+			
IC002-18	63ZZZZ	AREA	500+	06+			
IC003-1	63ZZZZ	AREA	100-	02-	No	EMER-A	4SLB
IC003-4	63ZZZZ	AREA	250-300	06+			
IC003-5	63ZZZZ	AREA	100-	02-	No	EMER-A	4SLB
IC003-6	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-7	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-8	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB

IC003-9	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-10	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-11	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
~~IC003-13~~ IC-DF90145	63ZZZZ	AREA	100-250	02-	Yes		
~~IC003-14~~ IC-DF90048	63ZZZZ	AREA	300-500	02-	No	EMER-A	4SRB
IC003-16	63ZZZZ	AREA	300-500	06+			
IC003-17	63ZZZZ	AREA	300-500	06+			
IC003-18	63ZZZZ	AREA	100-250	06+			
IC003-19	63ZZZZ	AREA	100-250	06+			
IC003-20	63ZZZZ	AREA	100-250	06+			
IC003-21	63ZZZZ	AREA	100-250	06+			
~~IC003-22~~ IC-DF90140	63ZZZZ	AREA	100-250	06+			
IC003-24	63ZZZZ	AREA	100-250	06+			
IC003-25	63ZZZZ	AREA	300-500	06+			
IC003-26	63ZZZZ	AREA	100-	06+			
IC003-27	63ZZZZ	AREA	100-250	06+			
IC004-1	63ZZZZ	AREA	100-	02-	Yes		
IC004-5	63ZZZZ	AREA	100-	06+			
IC004-6	63ZZZZ	AREA	100-	06+			

IC004-7	63ZZZZ	AREA	100-	06+			

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
IC003-4	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-16	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-17	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-18	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-19	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-20	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-21	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
~~IC003-22~~ IC-DF90140	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON

IC003-24	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-25	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC003-26	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON
IC003-27	60JJJJ	YES	NO	NONE	NO	130-500E	NATG AS			CON
IC004-5	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON
IC004-6	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON
IC004-7	60JJJJ	YES	NO	NONE	NO	25-100E	NATG AS			CON

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
IC003-4	60JJJJ	N0111+E		YES	YES		EMERG		
IC003-18	60JJJJ	N0109-E		YES	YES		EMERG		
IC003-19	60JJJJ	N0109-E		YES	YES		EMERG		
IC003-20	60JJJJ	N0109-E		YES	YES		EMERG		
IC003-21	60JJJJ	N0111+E		YES	YES		EMERG		
~~IC003-22~~ IC-DF90140	60JJJJ	N0111+E		YES	YES		EMERG		
IC003-24	60JJJJ	N09-10E		YES	YES		EMERG		
IC003-25	60JJJJ	N0111+E		YES	YES		EMERG		
IC003-26	60JJJJ	N0109+E		YES	YES		EMERG		
IC003-27	60JJJJ	N0111+E		YES	YES		EMERG		

Stationary Reciprocating Internal Combustion Engine Attributes
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Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC001-46	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-48	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-49	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-53	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-55	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-56	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-60	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-61	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-62	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-65	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-66	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-67	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-68	60IIII	2005+	NONE	EMERG	CON	0406+

IC001-69	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-70	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-71	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-72	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-74	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-75	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-76	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-77	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-78	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-79	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-81	60IIII	2005+	NONE	EMERG	CON	0406+
IC003-28	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-83	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-84	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-85	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-86	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-87	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-88	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-3	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-4	60IIII	2005+	NONE	EMERG	CON	0406+

IC002-5	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-10	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-11	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-12	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-13	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-14	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-15	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-16	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-17	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-18	60IIII	2005+	NONE	EMERG	CON	0406+

Stationary Reciprocating Internal Combustion Engine Attributes
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Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC001-46	60IIII	DIESEL		10-		2007	
IC001-48	60IIII	DIESEL		10-		2007	
IC001-49	60IIII	DIESEL		10-		2008	
IC001-53	60IIII	DIESEL		10-		2008	
IC001-55	60IIII	DIESEL		10-		2007	
IC001-56	60IIII	DIESEL		10-		2009	
IC001-60	60IIII	DIESEL		10-		2013	
IC001-61	60IIII	DIESEL		10-		2013	
IC001-62	60IIII	DIESEL		10-		2013	
IC001-65	60IIII	DIESEL		10-		2010	
IC001-66	60IIII	DIESEL		10-		2013	
IC001-67	60IIII	DIESEL		10-		2010	
IC001-68	60IIII	DIESEL		10-		2014	

IC001-69	60IIII	DIESEL		10-		2014	
IC001-70	60IIII	DIESEL		10-		2013	
IC001-71	60IIII	DIESEL		10-		2014	
IC001-72	60IIII	DIESEL		10-		2013	
IC001-74	60IIII	DIESEL		10-		2014	
IC001-75	60IIII	DIESEL		10-CS		2016	
IC001-76	60IIII	DIESEL		10-CS		2015	
IC001-77	60IIII	DIESEL		10-		2019	
IC001-78	60IIII	DIESEL		10-		2018	
IC001-79	60IIII	DIESEL		10-		2018	
IC001-81	60IIII	DIESEL		10-		2019	
IC003-28	60IIII	DIESEL		10-		2022	
IC001-83	60IIII	DIESEL		10-		2020	
IC001-84	60IIII	DIESEL		10-			
IC001-85	60IIII	DIESEL		10-		2020	
IC001-86	60IIII	DIESEL		10-		2020	
IC001-87	60IIII	DIESEL		10-		2015	
IC001-88	60IIII	DIESEL		10-		2012	
IC002-3	60IIII	DIESEL		10-		2007	
IC002-4	60IIII	DIESEL		10-		2007	

IC002-5	60IIII	DIESEL		10-		2007	
IC002-10	60IIII	DIESEL		10-		2012	
IC002-11	60IIII	DIESEL		10-		2012	
IC002-12	60IIII	DIESEL		10-		2012	
IC002-13	60IIII	DIESEL		10-		2012	
IC002-14	60IIII	DIESEL		10-		2014	
IC002-15	60IIII	DIESEL		10-		2013	
IC002-16	60IIII	DIESEL		10-		2017+	
IC002-17	60IIII	DIESEL		10-		2020	
IC002-18	60IIII	DIESEL		10-		2009	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/28/2023	O1659	101612083

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
IC001-46	60IIII	E130-368		NO	NO	MANU YES		
IC001-48	60IIII	E130-368		NO	NO	MANU YES		
IC001-49	60IIII	E130-368		NO	NO	MANU YES		
IC001-53	60IIII	E75-130		NO	NO	MANU YES		
IC001-55	60IIII	E130-368		NO	NO	MANU YES		
IC001-56	60IIII	E130-368		NO	NO	MANU YES		
IC001-60	60IIII	F130-368		NO	NO	MANU YES		
IC001-61	60IIII	F130-368		NO	NO	MANU YES		
IC001-62	60IIII	F130-368		NO	NO	MANU YES		
IC001-65	60IIII	E130-368		NO	NO	MANU YES		
IC001-66	60IIII	E130-368		NO	NO	MANU YES		
IC001-67	60IIII	E130-368		NO	NO	MANU YES		
IC001-68	60IIII	E130-368		NO	NO	MANU YES		

IC001-69	60IIII	E75-130		NO	NO	MANU YES		
IC001-70	60IIII	E130-368		NO	NO	MANU YES		
IC001-71	60IIII	E37-75		NO	NO	MANU YES		
IC001-72	60IIII	E37-75		NO	NO	MANU YES		
IC001-74	60IIII	E37-75		NO	NO	MANU YES		
IC001-75	60IIII	E75-130		NO	NO	MANU YES		
IC001-76	60IIII	E130-368		NO	NO	MANU YES		
IC001-77	60IIII	E130-368		NO	NO	MANU YES		
IC001-78	60IIII	E37-75		NO	NO	MANU YES		
IC001-79	60IIII	E37-75		NO	NO	MANU YES		
IC001-81	60IIII	E130-368		NO	NO	MANU YES		
IC003-28	60IIII	E130-368		NO	NO	MANU YES		
IC001-83	60IIII	E37-75		NO	NO	MANU YES		
IC001-84	60IIII	E75-130		NO	NO	MANU YES		
IC001-85	60IIII	E75-130		NO	NO	MANU YES		
IC001-86	60IIII	E130-368		NO	NO	MANU YES		
IC001-87	60IIII	E37-75		NO	NO	MANU YES		
IC001-88	60IIII	E37-75		NO	NO	MANU YES		
IC002-3	60IIII	E560-2237		NO	NO	MANU YES		
IC002-4	60IIII	E560-2237		NO	NO	MANU YES		

IC002-5	60IIII	E560-2237		NO	NO	MANU YES		
IC002-10	60IIII	E560-2237		NO	NO	MANU YES		
IC002-11	60IIII	E560-2237		NO	NO	MANU YES		
IC002-12	60IIII	E560-2237		NO	NO	MANU YES		
IC002-13	60IIII	E560-2237		NO	NO	MANU YES		
IC002-14	60IIII	E560-2237		NO	NO	MANU YES		
IC002-15	60IIII	E368-560		NO	NO	MANU YES		
IC002-16	60IIII	E560-2237		NO	NO	MANU YES		
IC002-17	60IIII	E368-560		NO	NO	MANU YES		
IC002-18	60IIII	E368-560		NO	NO	MANU YES		

Texas Commission on Environmental Quality
Surface Coating Operations Attributes
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Federal Operating Permit Program

Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart GG: National Emission Standards for Aerospace Manufacturing and Rework Facilities

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Process ID No.	SOP Index No.	Contains Operations Identified in 40 CFR § 63.741(c)	40 CFR § 63.741(f) Exemption	Application Type	No Longer Operational	HAP and VOC Less Than Content Limits
SC001	63GG	YES	YES			
SC002	63GG	YES	YES			
SC003	63GG	YES	YES			
SC004	63GG	YES	YES			
SC005	63GG	YES	YES			
SC006	63GG	YES	YES			
SC007	63GG	YES	YES			
SC009	63GG	YES	YES			
SC011	63GG	YES	YES			
SC013	63GG	YES	YES			
SC015	63GG	YES	YES			
SC017	63GG	YES	YES			
SC021	63GG	YES	YES			

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Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
A	41	IC001-13	OP-UA2	NEC REMOTE SERVICE CENTER BLDG 338		106.511/09/04/2000[54052]	
	42	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000[54052]	
D	43	IC001-19	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000[54052]	
	44	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000[54052]	
	45	IC001-24	OP-UA2	DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000[54052]	
	46	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
D	47	IC001-33	OP-UA2	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000[54052]	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	48	IC001-34	OP-UA2	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000[54052]	
D	49	IC001-35	OP-UA2	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000[54052]	
D	50	IC001-37	OP-UA2	DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000[54052]	
D	51	IC001-42	OP-UA2	DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000[54052]	
	52	IC001-43	OP-UA2	DIESEL ENGINE FHFD – STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	55	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	57	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	59	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	62	IC001-50	OP-UA2	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000[54052]	
A	64	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	66	IC001-55	OP-UA2	DIESEL ENGINE FHFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
D	68	IC001-57	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000[54052]	
D	69	IC001-58	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000[54052]	
D	70	IC001-59	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000[54052]	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	71	IC001-64	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000[54052]	
	74	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	76	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000[54052]	
	78	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	91	IC003-28	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000[164083]	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000[54052]	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	98	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	99	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	100	IC002-17	OP-UA2	WFH SCIF BLDG 90087		106.511/09/04/2000[54052]	
	101	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000[54052]	
D	102	IC003-2	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	
	103	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
D	104	IC003-23	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000[54052]	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	107	IC003-26	OP-UA2	HAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
D	108	IC003-3	OP-UA2	NATURAL GAS IC EQUIPMENT		106.511/09/04/2000[54052]	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	111	IC004-1	OP-UA2	4SLB ENGINE FHFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
D	112	IC004-2	OP-UA2	4SRB ENGINE FHFD RGAAF BLDG 90145-2		106.511/09/04/2000[54052]	
D	113	IC004-3	OP-UA2	4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000[54052]	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000[54052]	
D	116	IC005-1	OP-UA2	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001[54052]	
D	117	IC003-7	OP-UA2	4SLB ENGINE HAHP BLDG 7004		106.512/06/13/2001[54052]	

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	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I		106.433/02/28/2019[24538]	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II		106.433/02/28/2019[24538]	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III		106.433/02/28/2019[24538]	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV		106.433/02/28/2019[24538]	
A	137	SC016	OP-UA1	COMPOSITE SITE OPERATIONS		113/10/04/1995[30861]	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

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	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

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A	139	IC003-27	OP-UA2	NFH EOC BLDG 56506		106.511/09/04/2000[54052]	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000/[54052]	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000/[54052]	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		106.511/09/04/2000/[54052]	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		106.534/09/12/1989[1866]	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		106.262/05/31/2007/[81875, 83515]	
D	151	BOILER11	OP-UA6	STEAM BOILERS		106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		106.265/09/04/2000	

A	153	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	
A	153	EC002	OP-UA51	DRY PARTS CLEANING OVEN - BLDG 88036		106.495/11/02/2002[52888]	
A	153	ET001	OP-UA1	JET ENGINE TESTING		106.263/08/29/2006[79646]	
A	153	ET003	OP-UA1	VEHICLE ENGINE TESTING		106.263/08/29/2006[79646]	
	153	IC001-14	OP-UA2	DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/03/07/2003[54052]	
A	153	IC001-16	OP-UA2	DIESEL ENGINE GRANGER LAKE BLDG GRL03		106.511/03/07/2003[54052]	
A	153	IC001-5	OP-UA2	FHFD STATION #5 DIESEL IC EQUIPMENT < 600HP, BLDG 52940		106.511/03/07/2003[54052]	
A	153	IC001-51	OP-UA2	DIESEL ENGINE DOL ADMIN BLDG 89010		106.511/03/07/2003[54052]	
A	153	IC001-56	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251		106.511/03/07/2003[54052]	
A	153	IC001-65	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067		106.511/03/07/2003[54052]	
A	153	IC001-68	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022		106.511/03/07/2003[54052]	
	153	IC001-8	OP-UA2	DIESEL ENGINE, FH CMNI, BLDG 90500		106.511/03/07/2003[54052]	
A	153	IC003-28	OP-UA2	RGAAF TANK FARM GENERATOR		106.511/03/05/2021[54052]	
A	153	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000[54052]	
A	153	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000[54052]	

	153	IC002-1	OP-UA2	COLD STORAGE DIESEL IC EQUIPMENT > 600HP, BLDG 89100A		106.511/03/07/2003[54052]	
	153	IC002-15	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13		106.511/03/07/2003[54052]	
	153	IC002-3	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-4	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-5	OP-UA2	DIESEL ENGINE RM SHOEMAKER BLDG 36000		106.511/03/07/2003[54052]	
	153	IC002-6	OP-UA2	DIESEL ENGINE ACS G2ITCE BLDG 22012		106.511/03/07/2003[54052]	
	153	IC002-7	OP-UA2	DIESEL ENGINE III CORPS HQ #1 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-8	OP-UA2	DIESEL ENGINE III CORPS HQ #2 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC002-9	OP-UA2	DIESEL ENGINE III CORPS HQ #3 BLDG 1001		106.511/03/07/2003[54052]	
	153	IC003-10	OP-UA2	4SLB ENGINE NEC RSC #1 BLDG 29017		106.511/03/07/2003[54052]	
	153	IC003-11	OP-UA2	4SLB ENGINE NEC RSC #6 BLDG 91078		106.511/03/07/2003[54052]	
	153	IC003-1	OP-UA2	4SLB ENGINE DPW HQ BLDG 4612		106.511/03/07/2003[54052]	
	153	IC003-5	OP-UA2	4SLB ENGINE NEC RSC #5 NORTH BLDG 56304		106.511/09/04/2000[54052]	
	153	IC003-6	OP-UA2	4SLB ENGINE NEC RSC #2 BLDG 4304		106.511/03/07/2003[54052]	
	153	IC003-8	OP-UA2	4SLB ENGINE HAHP TRANSMITTER BLDG 7016		106.511/03/07/2003[54052]	

	153	IC003-9	OP-UA2	4SLB ENGINE NEC RSC #3 BLDG 11002		106.511/03/07/2003[54052]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.261/11/01/2003[81233]	
	153	MO011	OP-UA1	AMMO CRUSHING OPERATIONS		106.262/11/01/2003[81233]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.262/03/14/1997[41479]	
	153	MO004	OP-UA1	BIOREMEDIATION OPERATIONS		106.533/03/14/1997[41479]	
	153	MO006	OP-UA1	FUEL TANKER CLEANING OPERATIONS-BLDG 1949		106.262/10/12/2005[76961]	
	153	SC011	OP-UA18	PAINT SPRAY BOOTH BLDG 92060		106.433/03/14/1997[70014]	
	153	SC021	OP-UA18	PAINT SPRAYING BOOTH BLDG 22041		106.433/05/19/2015[131851]	
	153	ST001A	OP-UA3	407TH FSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
	153	ST001B	OP-UA3	407TH FSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
	153	ST001C	OP-UA3	407TH FSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
	153	ST002A	OP-UA3	407TH FSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	ST003A	OP-UA3	407TH FSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		106.412/03/14/1997[24583]	
	153	SU001	OP-UA16	433 DEGREASER SITE-WIDE		106.454/04/01/2002[50528]	

	153	SU003	OP-UA17	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949		106.261/09/11/2002[52124]	
	153	ARO10A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO10B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
	153	ARO16A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO16B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
	153	ARO17A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO17B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
	153	ARO18A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO18B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
	153	ARO19A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO19B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO1A	OP-UA1	HAND-WIPE CLEANING OPERATION BLDG 6978		124/05/04/1994	
	153	ARO1B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6978		70/11/05/1986	
	153	ARO20A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
	153	ARO20B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	

	153	ARO21A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO21B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
	153	ARO25A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO25B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO26B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
	153	ARO28	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO29	OP-UA1	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994[50528]	
	153	ARO2A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		124/05/04/1994	
	153	ARO2B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO30	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90033		41/11/25/1985[50528]	
	153	ARO31	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90051		46/05/08/1972[50528]	
	153	ARO32	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 90098		107/05/04/1994[50528]	
	153	ARO33	OP-UA1	ENGINE CLEANING BY FLUSHING BLDG. 90098		41/11/05/1986[50528]	
	153	ARO34	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 90051		107/05/04/1994[50528]	

	153	ARO35	OP-UA1	ENGINE CLEANING BY FLUSHING, BLDG. 90051		46/05/08/1972[50528]	
	153	ARO36	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 6940		107/05/04/1994[50528]	
	153	ARO37	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7007		107/05/04/1994[50528]	
	153	ARO38	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7021		107/05/04/1994[50528]	
	153	ARO39	OP-UA1	COLD SOLVENT PARTS WASHER BLDG. 7022		107/05/04/1994[50528]	
	153	ARO3A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		124/05/04/1994	
	153	ARO3B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7007		80/09/17/1973	
	153	ARO42	OP-UA1	COLD SOLVENT PARTS WASHER, BLDG. 7013		107/05/04/1994[50528]	
	153	ARO43A	OP-UA1	HAND WIPE CLEAINING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO43B	OP-UA1	HAND WIPE CLEANING, BLDG 6940 (AVIM)		70/11/05/1986	
	153	ARO44A	OP-UA1	HAND WIPE CLEAINING, BLDG 90094		70/11/05/1986	
	153	ARO44B	OP-UA1	HAND WIPE CLEANING, BLDG 90094 (AVIM)		70/11/05/1986	
	153	ARO45A	OP-UA1	HAND WIPE CLEAINING, BLDG 707		124/05/04/1994	
	153	ARO45B	OP-UA1	HAND WIPE CLEANING, BLDG 707		124/05/04/1994	
	153	ARO46A	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	

	153	ARO46B	OP-UA1	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	
	153	ARO47A	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO47B	OP-UA1	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
	153	ARO48A	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO48B	OP-UA1	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
	153	ARO49A	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO49B	OP-UA1	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
	153	ARO4A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		124/05/04/1994	
	153	ARO4B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6940		70/11/05/1986	
	153	ARO5A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		124/05/04/1994	
	153	ARO5B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7021		80/09/23/1982	
	153	ARO65	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 707		70/06/07/1996	
	153	ARO66	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 708		70/06/07/1996	
	153	ARO67	OP-UA1	TOUCHUP TOPCOAT OPERATION, BLDG 7027		70/06/07/1996	
	153	ARO68	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	

	153	ARO69	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996[50528]	
	153	ARO6A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO6B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
	153	ARO70	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6978		41/06/07/1996[50528]	
	153	ARO71	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7012/7013		41/06/07/1996[50528]	
	153	ARO72	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7021		41/06/07/1996[50528]	
	153	ARO73	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7022		41/06/07/1996[50528]	
	153	ARO74	OP-UA1	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)		41/06/07/1996[50528]	
	153	ARO75	OP-UA1	ENGINE FLUSH CLEANING, BLDG 707		41/06/07/1996[50528]	
	153	ARO76	OP-UA1	ENGINE FLUSH CLEANING, BLDG 708		41/06/07/1996[50528]	
	153	ARO77	OP-UA1	ENGINE FLUSH CLEANING, BLDG 6972		41/06/07/1996[50528]	
	153	ARO78	OP-UA1	ENGINE FLUSH CLEANING, BLDG 7027		41/06/07/1996[50528]	
	153	ARO79	OP-UA16	COLD PARTS WASHING, BLDG 6940 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO7A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
	153	ARO7B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	

	153	ARO80	OP-UA16	COLD PARTS WASHING, BLDG 6970		106.454/03/14/1997[50528]	
	153	ARO81	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO82	OP-UA16	COLD PARTS WASHING, BLDG 6975		106.454/03/14/1997[50528]	
	153	ARO83	OP-UA16	COLD PARTS WASHING, BLDG 6978		106.454/03/14/1997[50528]	
	153	ARO84	OP-UA16	COLD PARTS WASHING, BLDG 90094		106.454/03/14/1997[50528]	
	153	ARO85	OP-UA16	COLD PARTS WASHING, BLDG 90094 (AVIM)		106.454/03/14/1997[50528]	
	153	ARO86	OP-UA16	COLD PARTS WASHING, BLDG 707		106.454/03/14/1997[50528]	
	153	ARO87	OP-UA16	COLD PARTS WASHING, BLDG 708		106.454/03/14/1997[50528]	
	153	ARO88	OP-UA16	COLD PARTS WASHING, BLDG 7012		106.454/03/14/1997[50528]	
	153	ARO89	OP-UA16	COLD PARTS WASHING, BLDG 7027		106.454/03/14/1997[50528]	
	153	ARO8A	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO8B	OP-UA1	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
	153	ARO90	OP-UA16	COLD PARTS WASHING, BLDG 88027		106.454/03/14/1997[50528]	
	153	EC002	OP-UA1	SITE-WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
	153	FS011A	OP-UA3	HAHP F-24 STORAGE TANK A		106.472/03/14/1997	

	153	FS011B	OP-UA3	HAHP F-24 STORAGE TANK B		106.472/03/14/1997	
	153	FS011C	OP-UA3	HAHP F-24 STORAGE TANK C		106.472/03/14/1997	
	153	FS011	OP-UA4	HAHP F-24 FUELING STATION		106.412/03/14/1997	
	153	FS018A	OP-UA3	DOL TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
	153	FS018	OP-UA4	DOL FUELING STATION - BIODIESEL		106.412/09/04/2000	
	153	FS019A	OP-UA3	DOL FUELING STATION E-85 STORAGE TANK A		106.472/09/04/2000	
	153	FS019	OP-UA4	DOL FUELING STATION - E-85 GASOLINE		106.412/09/04/2000	
	153	FS020	OP-UA4	NFH FUELING STATION		106.412/09/04/2000	
	153	FS021	OP-UA4	SPLIT TANK GASOLINE FUELING STATION		106.412/09/04/2000	
	153	FS022	OP-UA4	SPLIT TANK DIESEL FUELING STATION		106.412/09/04/2000	
A	153	IC001-13	OP-UA2	NEC REMOTE SERVICE CENTER BLDG 338		106.511/09/04/2000[54052]	
	153	IC001-18	OP-UA2	DIESEL ENGINE ACP #9A-WFH CLARK GATE BLDG 70017		106.511/09/04/2000[54052]	
	153	IC001-21	OP-UA2	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		106.511/09/04/2000[54052]	
	153	IC001-22	OP-UA2	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		106.511/09/04/2000[54052]	
	153	IC001-24	OP-UA2	DIESEL ENGINE RGAAF PRECISION APPROACH RADAR BLDG 90244		106.511/09/04/2000[54052]	

	153	IC001-25	OP-UA2	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000[54052]	
	153	IC001-30	OP-UA2	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		106.511/09/04/2000[54052]	
	153	IC001-36	OP-UA2	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		106.511/09/04/2000[54052]	
	153	IC001-43	OP-UA2	DIESEL ENGINE FHFD - STATION 1 BLDG 23024		106.511/09/04/2000[54052]	
	153	IC001-44	OP-UA2	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155		106.511/09/04/2000[54052]	
	153	IC001-46	OP-UA2	DIESEL ENGINE FHFD - STATION 3 BLDG 7083		106.511/09/04/2000[54052]	
	153	IC001-47	OP-UA2	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000[54052]	
	153	IC001-48	OP-UA2	DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000[54052]	
	153	IC001-49	OP-UA2	DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000[54052]	
	153	IC001-53	OP-UA2	DIESEL ENGINE DOL MAINFRAME BLDG 88037		106.511/09/04/2000[54052]	
	153	IC001-54	OP-UA2	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	IC001-55	OP-UA2	DIESEL ENGINE FHFD STATION 4 BLDG 56517		106.511/09/04/2000[54052]	
	153	IC001-60	OP-UA2	DIESEL ENGINE FIRE PUMP #1 BLDG 90177		106.511/09/04/2000[54052]	
	153	IC001-61	OP-UA2	DIESEL ENGINE FIRE PUMP #2 BLDG 90177		106.511/09/04/2000[54052]	

	153	IC001-62	OP-UA2	DIESEL ENGINE FIRE PUMP #3 BLDG 90177		106.511/09/04/2000[54052]	
	153	IC001-66	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE		106.511/09/04/2000[54052]	
	153	IC001-67	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000[54052]	
	153	IC001-69	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000[54052]	
	153	IC001-70	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040		106.511/09/04/2000[54052]	
	153	IC001-71	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670		106.511/09/04/2000[54052]	
	153	IC001-72	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154		106.511/09/04/2000[54052]	
	153	IC001-74	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149		106.511/09/04/2000[54052]	
A	153	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000[54052]	
A	153	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000[54052]	
A	153	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000[54052]	
A	153	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000[54052]	
A	153	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000[54052]	
A	153	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000[54052]	
A	153	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000[54052]	

A	153	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000[54052]	
A	153	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP BLDG 11010		106.511/09/04/2000[54052]	
A	153	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000[54052]	
	153	IC001-9	OP-UA2	DIESEL ENGINE, VISITOR CENTER, BLDG 69012		106.511/09/04/2000[54052]	
	153	IC002-10	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #1, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-11	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #2, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-12	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #3, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-13	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #4, BLDG 36071		106.511/09/04/2000[54052]	
	153	IC002-14	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000[54052]	
	153	IC002-16	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000[54052]	
A	153	IC002-17	OP-UA2	WFH SCIF BLDG 90087		106.511/09/04/2000[54052]	
A	153	~~IC001-54~~ IC002-18	OP-UA2	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000[54052]	
	153	~~IC003-13~~ IC-DF90145	OP-UA2	4SRB ENGINE FHFD - RGAAF BLDG 90145		106.511/09/04/2000[54052]	
	153	~~IC003-14~~ IC-DF90048	OP-UA2	4SRB ENGINE RGAAF - NLV BLDG 90048		106.511/09/04/2000[54052]	

	153	IC003-16	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-17	OP-UA2	4SRB ENGINE NEC HQ BLDG 422		106.511/09/04/2000[54052]	
	153	IC003-18	OP-UA2	4SRB ENGINE NEC RSC #4 BLDG 7031		106.511/09/04/2000[54052]	
	153	IC003-19	OP-UA2	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		106.511/09/04/2000[54052]	
	153	IC003-20	OP-UA2	4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000[54052]	
	153	IC003-21	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		106.511/09/04/2000[54052]	
	153	~~IC003-22~~ IC-DF90140	OP-UA2	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		106.511/09/04/2000[54052]	
A	153	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000[54052]	
A	153	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000[54052]	
A	153	IC003-26	OP-UA2	HAHP TOWER BLDG 6997		106.511/09/04/2000[54052]	
A	153	IC003-27	OP-UA2	NFH EOC BLDG 56506		106.511/09/04/2000[54052]	
	153	IC003-4	OP-UA2	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016		106.511/09/04/2000[54052]	
	153	IC004-1	OP-UA2	4SLB ENGINE FHFD TRANSMITTER BLDG 56013		106.511/09/04/2000[54052]	
	153	IC004-5	OP-UA2	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072		106.511/09/04/2000[54052]	
	153	IC004-6	OP-UA2	4SRB ENGINE BLORA TRUNK SITE BLDG 20159		106.511/09/04/2000[54052]	
	153	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000[54052]	

	153	LR001	OP-UA4	SITE WIDE GASOLINE LOADING RACK		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	LR002	OP-UA4	SITE WIDE DIESEL LOADING RACKS		106.472/03/14/1997	
	153	LR003	OP-UA4	SITE WIDE F-24 LOADING RACKS		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
	153	SC015	OP-UA18	MISCELLANEOUS SURFACE COATING OPERATIONS		106.433/03/14/1997	
	153	ST004A	OP-UA3	RGAAF BULK F-24 STORAGE TANK A		51/09/23/1982	
	153	ST004B	OP-UA3	RGAAF BULK F-24 STORAGE TANK B		51/09/23/1982	
	153	ST005A	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK A		51/10/04/1995	
	153	ST005B	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK B		106.412/09/04/2000	
	153	ST005C	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK C		106.412/09/04/2000	
	153	ST005E	OP-UA3	MISC DIESEL STORAGE TANK E		106.472/03/14/1997	
	153	ST005F	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK F		106.412/09/04/2000	
	153	ST005G	OP-UA3	MISCELLANEOUS DIESEL STORAGE TANK G		106.412/09/04/2000	
	153	ST005I	OP-UA3	DAMC DIESEL STORAGE TANK I		106.412/09/04/2000, 106.472/09/04/2000	
	153	ST006A	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK A		106.472/09/04/2000	
	153	ST006B	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK B		106.412/09/04/2000	

	153	ST006C	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK C		106.412/09/04/2000	
	153	ST006D	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK D		106.412/09/04/2000	
	153	ST006E	OP-UA3	MISCELLANEOUS F-24 STORAGE TANK E		106.412/09/04/2000	
	153	ST007A	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK A		106.412/09/04/2000	
	153	ST007B	OP-UA3	MISC GASOLINE STORAGE TANK B		106.473/03/14/1997	
	153	ST007C	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK C		106.412/09/04/2000	
	153	ST007D	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK D		106.412/09/04/2000	
	153	ST007E	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK E		106.412/09/04/2000	
	153	ST007F	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK F		106.412/09/04/2000	
	153	ST007G	OP-UA3	MISCELLANEOUS GASOLINE STORAGE TANK G		106.412/09/04/2000	
	153	ST008A	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST008B	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST008C	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK C		106.472/09/04/2000	
	153	ST008D	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK D		106.472/09/04/2000	
	153	ST008E	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK E		106.472/09/04/2000	

	153	ST008F	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK F		106.472/09/04/2000	
	153	ST008G	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK G		106.412/09/04/2000	
	153	ST008H	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK H		106.472/09/04/2000	
	153	ST008I	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK I		106.472/09/04/2000	
	153	ST008J	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK J		106.472/09/04/2000	
	153	ST008K	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK K		106.472/09/04/2000	
	153	ST008L	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK L		106.472/09/04/2000	
	153	ST008M	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK M		106.472/09/04/2000	
	153	ST008N	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK N		106.472/09/04/2000	
	153	ST008O	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK O		106.472/09/04/2000	
	153	ST008P	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK P		106.472/09/04/2000	
	153	ST008Q	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK Q		106.472/09/04/2000	
	153	ST008S	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK S		106.472/09/04/2000	
	153	ST008T	OP-UA3	MISCELLANEOUS USED OIL STORAGE T		106.472/09/04/2000	
	153	ST008U	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK U		106.472/09/04/2000	

	153	ST008V	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK V		106.472/09/04/2000	
	153	ST008W	OP-UA3	MISCELLANEOUS USED OIL STORAGE TANK W		106.472/09/04/2000	
	153	ST009A	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		106.472/09/04/2000	
	153	ST009B	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		106.472/09/04/2000	
	153	ST009C	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		106.472/09/04/2000	
	153	ST009D	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		106.472/09/04/2000	
	153	ST009E	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		106.472/09/04/2000	
	153	ST009F	OP-UA3	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		106.472/09/04/2000	
	153	ST010A	OP-UA3	MISCELLANEOUS OIL STORAGE TANK A		106.472/09/04/2000	
	153	ST010B	OP-UA3	MISCELLANEOUS OIL STORAGE TANK B		106.472/09/04/2000	
	153	ST010C	OP-UA3	MISCELLANEOUS OIL STORAGE TANK C		106.472/09/04/2000	
A	153	WL001	OP-UA1	SITE-WIDE WELDING OPERATIONS		106.227/09/04/2000	
A	153	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	

A	153	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	153	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000 & 106.265/09/04/2000	
	153	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG40009		106.231/09/04/2000 & 106.265/09/04/2000	
A	153	BLR36071-1	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-2	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-3	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	BLR36071-4	OP-UA6	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		106.183/09/04/2000	
A	153	AB001	OP-UA57	Abrasive Blasting Room		106.452/02/26/2013[107747]	
A	153	Brake Repair Downdraft Table	OP-UA1	Asbestos Brake Repair and Welding		106.261/08/04/2005[70022], 106.262/08/04/2005[70022]	
A	153	MO007	OP-UA1	Can Crusher		106.261/11/04/2011[98846], 106.262/11/04/2011[98846]	
A	153	Aerosol Can Crusher	OP-UA1	Can Crusher		106.261/08/11/2017[147753], 106.262/08/11/2017[147753]	
A	154	CT001	OP-UA13	SITE-WIDE COOLING TOWER OPERATIONS		106.371/03/07/2003[54052]	

D	155	ST006A	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK A		§106.472/09/04/2000	
D	156	ST006B	OP-UA3	MISCELLANEOUS JP-8 STORAGE TANK B		§106.412/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001
43	IC001-19	OP-UA2	D	GRP-ENGINE7

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
109	IC003-5	OP-UA2	A	GRP-ENGINE2
116	IC005-1	OP-UA2	D	IC005-01
117	IC003-7	OP-UA2	D	GRP-ENGINE5
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-REQ2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
151	BOILER11	OP-UA6	D	EC001
152	WW008	OP-UA1	D	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA

Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ❑ NO

I. Application Type

Indicate the type of application:

☒Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	☒ YES ❑ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	☐ YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	Yes	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117,

						therefore it is an off-permit source, per OP-UA6 instructions.
12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input

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						capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are removed in this revision. This

						negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII

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33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	Add unit to permit.
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.

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44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

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56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

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71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.

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85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	~~IC001-82~~IC003-28	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.

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101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has no associated units with it and does not need to exist in the permit anymore.

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113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140 as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117	MS-C	No	IC003-7	OP-SUMR	106.511/09/04/2000	~~LEFT INTENTIONALLY BLANK~~Unit is OOS; Remove from Title V Permit.
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63

						PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR

						63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63

						PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986,	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
					107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	for the Unit IDs in this group are addressed in OP-REQ1.
~~136~~	~~SIG-A~~	~~No~~	~~SU002~~	~~OP-UA57~~	~~80/12/01/1972, 80/09/17/1973, 80/09/23/1982, 70/11/25/1985, 70/11/05/1986, 70/07/20/1992, 124/05/04/1994, 41/06/07/1996, 70/06/07/1996, 106.454/03/14/1997~~	~~Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.~~
137	SIG-E	No	WW002	OP-REQ2	106.231/09/04/2000	Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
140	MS-C	No	IC001-10	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
141	MS-C	No	IC001-17	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
142	MS-C	No	IC001-31	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-ENGINE8 now has no associated units with it, and does not need to exist in the permit anymore.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15 now has no associated units with it, and does not need to exist in the permit anymore.
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop
153	MS-A	No	Various	Various	Various	Adding PBR Registration Nos. to Unit/Group IDs identified on Form OP-SUMR Table 1
155	SIG-E	No	ST006A	OP-UA3	§106.472/09/04/2000	Unit is OOS; Remove from Title V Permit
156	SIG-E	No	ST006B	OP-UA3	§106.412/09/04/2000	Unit is OOS; Remove from Title V Permit

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?		☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required:	Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision		☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/ Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
EC001	60D	78+	NO	NO	250-						

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program

Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
EC001	60Db	05+CR	100-					

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Other Subparts	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
EC001	60Dc	05+	10-100	NONE	10-30	NG	DOIL	OIL	OTHR	OTHR	NO

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 12)
Federal Operating Permit Program

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Monitoring Type PM	Monitoring Type SO_2 Inlet	Monitoring Type SO_2 Outlet	Technology Type	43CE-Option	47C-Option
EC001	60Dc	CEMS		CEM	CONV		

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 18)
Federal Operating Permit Program

Table 7: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112) Control of Air Pollution from Sulfur Compounds

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Fuel Type	Date of Operation	Heat Input	Control Equipment	FCAA § 412(c)	Stack Height
EC001	R200	LQD		250L-			YES

From:	John Walker
Sent:	Friday, February 24, 2023 9:44 AM
To:	Will Calderon
Cc:	Tim Plander; Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA)
Subject:	Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood
Attachments:	FOP O1659_Project 33269_U.S. Department of the Army_Fort Hood_Deficiencies_20230224.docx

Good morning,

I am currently reviewing the renewal application for FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood. Please provide the following updates as soon as possible but no later than **03/27/2023:**

1. Please provide the information requested in the attached document.

Note that a Certification by the Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted once all items have been reviewed and resolved, I will request the form at a later time. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation. Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

FOP O1659/Project 33269
U.S. Department of the Army/Fort Hood
Deficiencies – 02/24/2023

Good morning,

I am currently reviewing the renewal application for FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood. Please provide the following updates as soon as possible but no later than **03/27/2023:**

1. Revisions Nos. 140, 141, and 142 on Form OP-SUMR Table 1 are requesting the removal of Unit IDs IC001-10, IC001-17, and IC001-31 from the Title V Permit but there are no corresponding Form OP-2 Table 2 revisions.

   Please confirm if these units are to be removed from the permit and provide an updated Form OP-2 with corresponding revisions that request their removal.

2. Revision No. 136 on Form OP-2 is requesting the removal of Group ID SU002 and associated Unit IDs from the Title V Permit but there is no corresponding revision on Form OP-SUMR.

   Please confirm if this Group ID and associated units are to be removed from the permit and provide an updated Form OP-SUMR, Tables 1 & 2, with a corresponding revision that requests the removal of Group ID SU002.

3. NSR Standard Permit 88412 was provided in OP-REQ1 Section XII. J., but is not a Municipal Solid Waste and Industrial Hazardous Waste Permit with an Air Addendum. I have documented NSR Standard Permit 88412 as an NSR Standard Permit in our database and the Title V Permit. Please confirm if you agree with this change and if so, please update Form OP-REQ1 for your records with NSR Standard Permit 88412 listed in OP-REQ1 Page Section XII. H.

4. Revisions 121, 123, 125, 127 on Form OP-SUMR Table 1 for Unit IDs SC004, SC005, SC006, and SC007, have too long of Unit/Process Name/Descriptions to be maintained in our database.

   Please provide a Unit/Process Name/Description for the identified units that is 50 or less characters long per the Form OP-SUMR Instructions.

5. Form OP-REQ1 Section XI. B. Question 1 was answered "YES" but Question 2 was left blank. Please confirm if the application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form.

   If so, please provided an updated Form OP-REQ1 Section XI. B. Question 2 to identify the rule(s).

   In our database, we have the following information from a previous application: 63 SUBPARTS: QQQQ, ZZZZ, DDDDD, GGGGG, PPPPP. (Please keep in mind that MACT ZZZZ is now on OP-UA2, MACT DDDDD is now on OP-UA5 & 6, MACT GGGGG is now on OP-UA3, 12, 14, 15, 45, 52, 55)

6. Please provide the following UA Forms with the requested information for the identified units. Please note that in instances where Group IDs exist, you only need to provide the Group ID instead of every individual unit on the UA Form:

a. Form OP-UA02

    i. Table 2

        1. Unit/Group ID: GRP-ENGINE5 (IC003-6, IC003-7, IC003-8, IC003-9)

            a. Unit IDs IC003-6, IC003-8, and IC003-9 were provided on Form OP-UA02 Table 2a for MACT ZZZZ applicability, but IC003-7 was not. Are all the units still considered to be part of GRP-ENGINE5 and still have the same unit attributes?

        2. Many units were provided on Tables 2b and 2c with an SOP Index No. but no additional codes. If these units are not required to be on these tables according to the form instructions, please remove them.

    ii. Table 4

        1. Unit IDs: GRP-ENGINE16 (IC003-16, IC003-17), GRP-ENGINE4 (IC004-5, IC004-6, IC004-7)

            a. Form OP-UA02 was updated on 11/22 and an updated form is required. A code of “EXEMPT” or “NONE” is required for Exemption on Table 4a for NSPS JJJJ applicability.

        2. Unit ID: IC003-4

            a. On Table 4b, for NSPS JJJJ applicability, the code “N0109+E” was provided for Manufacture Date. N0109+E is used for Emergency SI ICE that are greater than 25 HP and less than 130 HP, but the code “130-500E” was provided on Table 4a for Horsepower which is for Emergency SI ICE with a maximum engine power greater than or equal to 130 HP and less than 500 HP.

                Using the two codes “N0109+E” and “130-500E” provide inconsistent unit attributes. Please provide an updated Form OP-UA02 Table 4 with the correct codes for NSPS JJJJ applicability.

        3. Unit/Group ID: GRP-ENGINE10 (IC003-18, IC003-19, IC003-20)

            a. On Form OP-UA02, Table 4a for NSPS JJJJ applicability, Unit ID IC003-19 was provided, which is part of GRP-ENGINE10 but the other units in the group were not included.

                Are all the units still considered to be part of GRP-ENGINE10 and still have the same unit attributes?

        4. On Form OP-UA02, Table 4a, for NSPS JJJJ applicability, for all units

provided in the application, the code “NO” was provided for Exemption. NO is not a valid code. Did you mean “NONE”? Please confirm the correct code.

iii. Table 5

1. Unit IDs/Group: GRP-ENGINE12 (IC001-46, IC001-55), IC001-48, IC001-49, IC001-56

    a. Table 5c for NSPS IIII applicability, the code “E130-68” was provided for Kilowatts. E130-68 is not a valid code. Did you mean “E130-368”? Please confirm the correct code.

    b. Form OP-UA02 was updated on 11/22 and an updated form is required. A code of “YES” or “NO” is required for AECD on Table 5c.

2. Unit IDs: IC001-82, IC001-84

    a. Form OP-UA02 was updated on 11/22 and an updated form is required. On Table 5b a code for model year is required. On Table 5c, a code of YES or NO is required for AECD.

3. Unit/Group IDs: IC001-53, IC001-65, IC001-66, IC001-67, IC001-68, IC001-69, IC001-70, GRP-ENGINE3 (IC001-71, IC001-74), IC001-72, IC001-75, IC001-77, IC001-78, IC001-79, IC001-81, IC001-83, IC001-85, IC001-86, IC001-87, IC001-88, GRP-ENGINE18 (IC002-3, IC002-4, IC002-5) GRP-ENGINE19 (IC002-10, IC002-11, IC002-12, IC002-13), IC002-14, IC002-15, IC002-16, IC002-18

    a. Form OP-UA02 was updated on 11/22 and an updated form is required. A code of “YES” or “NO” is required for AECD on Table 5c.

4. Unit ID: IC002-17

    a. Table 5b for NSPS IIII applicability, a code for model year is required.

    b. Table 5c for NSPS IIII applicability, the code “E368-500” was provided for Kilowatts. E368-500 is not a valid code. Please confirm the correct code.

iv. Various Tables

1. Unit IDs: IC004-2, IC004-3, IC004-8

    a. Please confirm if these units should be removed. These units

were provided on Forms OP-2 and OP-SUMR in revisions 112, 113, and 115 stating they should be removed from the permit, but were provided on Form OP-UA02 with unit attributes for MACT ZZZZ on Table 2a (IC004-2, IC004-3, IC004-8) and NSPS JJJJ on Table 4a, 4b (IC004-8).

b. Form OP-UA03

   i. Table 3

      1. Unit/Group IDs: ST005H, ST005I, ST005J, ST006C, ST006D, GRPTANK9 (Unit IDs: ST001A, ST001B, ST001C),

         a. Form OP-UA3 was recently revised, and updated codes are required. Please provide a code for WW Tank Control.

      2. Group ID: GRPTANK8 (ST005A, ST006E, ST008S, ST008T, ST008U, ST008V, ST008W, ST009F)

         a. Unit attributes were provided for Unit ID ST006E with a different SOP Index No. (60Kb-1) than the rest of GRPTANK8 (60Kb-6). Is Unit ID ST006E still part of GRPTANK8? If so, please confirm the correct SOP Index No. for GRPTANK8.

         b. Form OP-UA3 was recently revised, and updated codes are required. Please provide a code for WW Tank Control.

      3. Unit IDs: ST002A, ST005G

         a. Unit IDs are within our database on Form OP-UA03 without any unit attributes, and are on Form OP-REQ2 for a Permit Shield for 30 TAC Chapter 115, Storage of VOCs.

            Please confirm if there should be unit attributes on Form OP-UA3 for the identified units. If there are not any unit attributes, I will remove the units from Form OP-UA03 but keep them on Form OP-REQ2.

      4. Unit/Group ID: GRPTANK11 (Unit IDs ST004A, ST004B)

         a. Group ID GRPTANK11 is within our database on Form OP-UA03 without any unit attributes, and are on Form OP-REQ2 for a Permit Shield for NSPS Ka.

            Please confirm if there should be unit attributes on Form OP-UA3 for the identified units. If there are not any unit attributes, I will remove the units from Form OP-UA03 but keep them on Form OP-REQ2.

5. Unit IDs: ST006A, ST006B

    a. On Form OP-UA03, Table 3, it was stated that these two units were removed but there are no corresponding revisions on Form OP-2 or OP-SUMR requesting the units to be removed from the Title V Permit.

       Please confirm if these units are to be removed. If they are to be removed, please provided revisions on Form OP-2 and OP-SUMR requesting their removal.

       If they are not to be removed, Form OP-UA3 was recently revised, and updated codes are required. Please provide a code for WW Tank Control.

       Please note these units are part of GRPTANK6 and the SOP Index No. provided on Form OP-UA03, Table 3 was 60Kb-1 when GRPTANK6 has the SOP Index No. 60Kb-4 in the effective permit. All units within a group are required to have the same unit attributes and SOP Index No.

       GRPTANK6 includes Unit IDs: ST005B, ST005C, ST005F, ST006A, ST006B, ST006C, ST006D, ST007A, ST007C, ST007D, ST007E, ST007F, ST007G, ST008A, ST008B, ST008C, ST008D, ST008E, ST008F, ST008G, ST008H, ST008I, ST008J, ST008K, ST008L, ST008M, ST008N, ST008O, ST008P, ST008Q, ST009A, ST009B, ST009C, ST009D, ST009E, ST010A, ST010B, ST010C

6. The following units were either provided on Form OP-UA03 Table 3 in this application or are in the effective permit and our database on Form OP-UA03 with SOP Index Nos. that do not align with our SOP Index No. Guidance.

   You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

   additional_fop_guidance.pdf (texas.gov)

   Please provide the following units on Form OP-UA03 Table 3 with SOP Index Nos. that align with our SOP Index No. Guidance. I have listed the units below with their current SOP Index No:

    a. Unit ID FS021A - the SOP Index No. V-1 does not align with our SOP Index No. guidance for NSPS Kb.

    b. Unit IDs FS019A, ST005E, and ST007B - SOP Index No 115B1

does not align with our SOP Index No. guidance for NSPS Kb.

c. OP-UA04

i. Table 1

1. The following units were either provided on Form OP-UA04 Table 1 in this application or are in the effective permit and our database on Form OP-UA04 with SOP Index Nos. that do not align with our SOP Index No. Guidance.

   You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

   additional_fop_guidance.pdf (texas.gov)

   Please provide the following units on Form OP-UA04 Table 1 with SOP Index Nos. that align with our SOP Index No. Guidance. I have listed the units below with their current SOP Index No:

   a. Unit ID MO006 - SOP Index No. 115E3 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C.

   b. Unit ID LR001 - SOP Index No. V-1 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C.

   c. Unit IDs: FS020, FS021, FS022 – SOP Index No. 115C does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C.

   d. Unit IDs: FS018, LR002 – SOP Index No. 115C1 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C.

   e. Unit IDs: FS011, FS019 – SOP Index No. 115C2 does not align with our SOP Index No. guidance for 30 TAC Chapter 115, Subchapter C

d. Form OP-UA06

i. Various Tables

1. Group ID EC001 (BLR36071-1, BLR36071-2, BLR36071-3, BLR36071-4)

a. SOP Index Nos. (112-1) on Tables 1a, 3a, 4a, 4b, and 7 are not consistent with our SOP Index No. Guidance for NSPS Subparts D, Db, Dc, and 30 TAC Chapter 112 respectively.

   Please provide SOP Index Nos. consistent with our SOP Index No. Guidance. You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

   additional_fop_guidance.pdf (texas.gov)

b. Form OP-UA06 Table 7 (SOP Index No. 112-1) needs an additional code for Heat Input and additional codes may be required based upon the form instructions.

e. Form OP-UA17

   i. Table 1

      1. Unit ID SU003

         a. Unit ID SU003 is on Form OP-UA17 Table 1 for NSPS NNN applicability but has the SOP Index No. R115. R115 is not consistent with our SOP Index No. guidance for NSPS NNN.

            Please provide SOP Index Nos. consistent with our SOP Index No. Guidance. You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

            additional_fop_guidance.pdf (texas.gov)

f. Form OP-UA18

   i. Various Tables

      1. Unit IDs: SC001, SC002, SC004, SC005, SC006, SC009, SC011, SC013, SC017

         a. The identified units are on Form OP-UA18 Table 9a for MACT GG applicability in our database and the effective permit but have the SOP Index No. R115E2. R115E2 is not consistent with our SOP Index No. guidance for MACT GG.

            Please provide SOP Index Nos. consistent with our SOP Index No. Guidance. You may find our SOP Index No. Guidance on pages 7-9 of the Additional FOP Guidance found at following link:

additional_fop_guidance.pdf (texas.gov)

2. Unit ID: SC003, SC007, SC015

    a. The listed units are within our database on Form OP-UA18 without any unit attributes, and are on Form OP-REQ2 for various permit shields.

       Please confirm if there should be unit attributes on Form OP-UA18 for the identified units. If there are not any unit attributes, I will remove the units from Form OP-UA18 but keep them on Form OP-REQ2

Note that a Certification by the Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted once all items have been reviewed and resolved, I will request the form at a later time. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation. Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Will Calderon <wcalderon@olsson.com>
Sent: Tuesday, January 31, 2023 2:44 PM
To: John Walker
Cc: Tim Plander; Nick Steinke; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA)
Subject: RE: FOP O1659/Project 33269 Form OP-SUMR

Good afternoon John,

Thank you for going through and addressing each of our questions. I will proceed with completing forms OP-SUMR and OP-2 according to your instructions and responses.

I will also be looking out for the list of discrepancies you are preparing with additional corrections.

We will continue to communicate our questions and updates as needed.

Will Calderon, EI, MS
(He, Him, His)
Environmental

C 402.515.8539

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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View Legal Disclaimer

From: John Walker <John.Walker@tceq.texas.gov>
Sent: Tuesday, January 31, 2023 1:46 PM
To: Will Calderon <wcalderon@olsson.com>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: FOP O1659/Project 33269 Form OP-SUMR

Good Afternoon,

I have answers to your questions submitted to me on 01/27/2023.

For units you are adding PBR Registration Nos. to, you would include a revision on Form OP-2 Table 2 stating you are adding various PBR Registrations to various units, and that information would be reciprocated on Form OP-SUMR for each individual unit. That is, each unit would be listed on Form OP-SUMR and have the PBR information in the format identified on pages 2-3 of the Form OP-SUMR instructions, in the preconstruction authorization column on Form OP-SUMR. This would allow me to add the PBR Registration Nos. to each individual unit. This information would be identified in the New Source Review Authorization References by Emission Unit table in the Title V Permit.

For units that have a preconstruction authorization that is a claimed PBR or SE, is subject to Title V Requirements, is to be identified in the Title V Permit, and there are revisions occurring to the unit, you would include the claimed PBR or SE information on Form OP-SUMR in the preconstruction authorization column for that unit. For example, If you are changing the preconstruction authorizations for units, or if the unit is being added, revised, or removed from the Title V Permit, that is the unit is required to be on Form OP-SUMR, you would include that claimed PBR or SE information in the preconstruction authorization column of Form OP-SUMR. If the claimed PBR or SE is the unit's NSR preconstruction authorization, it should be included on Form OP-SUMR. In some cases, for Form OP-2, if the revision identified required an NSR authorization, you would also include the claimed PBR or SE information on Form OP-2. If an NSR authorization was not required for the change/revision, you would enter N/A on Form OP-2 NSR Authorization Column. This information is identified in the Form Instructions of both the Form OP-2 and OP-SUMR. The claimed PBR or SE would also be identified in the New Source Review Authorization References by Emission Unit table in the Title V Permit.

I am unable to answer the question on whether or not you should register claimed PBRs or SEs. I am only able to work with Title V information. That would be a question for Dan Sims and the Rules Registration Section.

I would like to note, that the first group you identified in your email, Group SU002, was requested to be removed from the Title V Permit in revision no. 136 on Form OP-2. This information was not provided in a revision on Form OP-SUMR, and is a part of the deficiency list I am producing. However, I will use it as an example for your question. If it is your intention to remove this group from the Title V Permit, you would make a revision item on Form OP-2 (as you did), and would then identify that revision item on Form OP-SUMR with a revision requesting to delete the group. The Form OP-SUMR entry would have the unit's (or group's) preconstruction authorizations listed whether they are registered or claimed PBRs and SEs or any other type of NSR Authorization. In the case that it is not a registered PBR, you would list the PBR in the standard format of 106.XXX/MM/DD/YYYY.

Please note that PBRs required to be listed in the Title V Permit are identified in the OP-REQ1 Form Instructions on page 120. If a unit has one of those PBRs as a Preconstruction Authorization, it should also be listed on Table XII. I. of Form OP-REQ1 (without the PBR Registration information, the PBR Registration information is only to be identified on Form OP-PBRSUP and Form OP-SUMR).

I hope these answers help you. Please let me know if you have additional questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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---

From: John Walker
Sent: Friday, January 27, 2023 4:54 PM
To: Will Calderon <wcalderon@olsson.com>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: FOP O1659/Project 33269 Form OP-SUMR

Good Afternoon,

I have received your question and will get an answer to you as soon as possible.

Please let me know if you have additional questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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---

From: Will Calderon <wcalderon@olsson.com>
Sent: Friday, January 27, 2023 10:28 AM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Tim Plander <tplander@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Kennedy, Robert L Jr CIV

USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>
Subject: RE: FOP O1659/Project 33269 Form OP-SUMR

Hello John,

I have reformatted Fort Hood's forms OP-2 and OP-SUMR to include registration numbers for units to be covered under their Title V Permit Renewal. I would like to confirm the best course of action for units that are under claimed PBRs and Standard Exemptions at the facility that do not have registration numbers. The units in question are listed below. Should I work with Dan Sims with the NSR Permitting Team to register these claimed emissions, are these not needed in form OP-SUMR, or should they be included in OP-SUMR without a registration number?

Claimed PBRs and SEs with no listed registration number:

- Units in Group SU002 (Claimed PBR 106.263
  - ARO10A, ARO10B, ARO16A, ARO16B, ARO17A, ARO17B, ARO18A, ARO18B, ARO19A, ARO19B, ARO1A, ARO1B, ARO20A, ARO20B, ARO21A, ARO21B, ARO25A, ARO25B, ARO26A, ARO26B, ARO2A, ARO2B, ARO3A, ARO3B, ARO43A, ARO43B, ARO44A, ARO44B, ARO45A, ARO45B, ARO46A, ARO46B, ARO47A, ARO47B, ARO48A, ARO48B, ARO49A, ARO49B, ARO4A, ARO4B, ARO5A, ARO5B, ARO6A, ARO6B, ARO8A, ARO8B
- ARO65 (Touchup Topcoat Operation, Bldg. 707)
  - Standard Exemption 70, 06/07/1996
- ARO66 (Touchup Topcoat Operation, Bldg. 708)
  - Standard Exemption 70, 06/07/1996
- ARO67 (Touchup Topcoat Operation, Bldg. 7027)
  - Standard Exemption 70, 06/07/1996
- ARO7A & ARO7B (Hand-Wipe Cleaning Operation, Bldg. 7012
  - Standard Exemption 80, 12/01/1972
- EC002 (Site-Wide External Combustion Units <10MMBTU/Hr)
  - Claimed PBR 106.183, 09/04/2000
- FS011A, FS011B, & FS011C (HAHP F-24 Storage Tanks)
  - Claimed PBR 106.472, 03/14/1997
- FS011 (HAHP F-24 Fueling Station)
  - Claimed PBR 106.412, 03/14/1997
- FS018A (DOL Tank Farm Diesel Storage Tank A)
  - Standard Exemption 51, 11/05/1986
- FS018 (DOL Fueling Station – Biodiesel)
  - Claimed PBR 106.412, 09/04/2000
- FS019A (DOL Fueling Station E-85 Storage Tank A)
  - Claimed PBR 106.472, 09/04/2000
- FS019 (DOL Fueling Station – E-85 Gasoline)
  - Claimed PBR 106.412, 09/04/2000
- FS020 (NFH Fueling Station)
  - Claimed PBR 106.412, 09/04/2000
- FS021 (Split Tank Gasoline Fueling Station)
  - Claimed PBR 106.412, 09/04/2000
- FS022 (Split Tank Diesel Fueling Station)
  - Claimed PBR 106.412, 09/04/2000
- LR001 (Site-wide Gasoline Loading Racks)
  - Standard Exemption 106, 10/04/1995
  - Standard Exemption 14, 10/04/1995
  - Standard Exemption 51, 10/04/1995

- LR002 (Site-wide Diesel Loading Racks)
    - Claimed PBR 106.472, 03/14/1997
- LR003 (Site-wide F-24 Loading Racks)
    - Standard Exemption 106, 10/04/1995
    - Standard Exemption 14, 10/04/1995
    - Standard Exemption 51, 10/04/1995
- SC015 (Miscellaneous Surface Coating Operations)
    - Claimed PBR 106.433, 03/14/1997
- ST004A & ST004B (RGAAF Bulk F-24 Storage Tanks)
    - Standard Exemption 51, 09/23/1982
- ST005A (Miscellaneous Diesel Storage Tank A)
    - SE 51, 10/04/1995
- ST005B/C/F/G/I, ST006B/C/D/E, ST007A/C/D/E/F/G, & ST008G (Miscellaneous Diesel, F-24, Gasoline, and Used Oil Storage Tanks)
    - Claimed PBR 106.412, 09/04/2000
- ST005E
    - Claimed PBR 106.472, 09/04/2000
- ST005I, ST006A, ST008A/B/C/D/E/F/H/I/J/K/L/M/N/O/P/Q/S/T/U/V/W, ST009A/B/C/D/E/F, ST010A/B/C (Miscellaneous Diesel, F-24, Used Oil, Off-Spec Fuel, Oil Storage Tanks)
    - Claimed PBR 106.472, 09/04/2000
- ST007B (Miscellaneous Gasoline Storage Tank B)
    - Claimed PBR 106.473, 03/14/1997
- WL001 (Site-wide Welding Operations)
    - Claimed PBR 106.227, 09/04/2000
- WW001/2/3/4/5/7/9 (Woodworking Operations)
    - Claimed PBR 106.231, 09/04/2000
    - Claimed PBR 106.265, 09/04/2000
- Units in Group ID EC001 (Claimed PBR 106.183, 09/04/2000)
    - BLR36071-1, BLR36071-2, BLR36071-3, BLR36071-4 are being added to the permit and to this group
    - BOILER9, BOILER10, and BOILER11 are being deleted from this group and the permit

Thank you for your assistance.

From: Tim Plander <tplander@olsson.com>
Sent: Monday, December 19, 2022 12:25 PM
To: John Walker
Subject: RE: Fort Hood Air Operating Permit Renewal Follow Up - RN numbers

Thank you, John. I will update the meeting time.

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

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Lincoln, NE 68508
O 402.474.6311

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, December 19, 2022 10:42 AM
To: Tim Plander <tplander@olsson.com>
Subject: RE: Fort Hood Air Operating Permit Renewal Follow Up - RN numbers

Good Morning,

My Management has requested to change the scheduled meeting time from 1:30 PM to 2:00 PM on 12/20/2022. I have also requested that Air Permit Initial Review Team (APIRT) Team Leader Johnny Bowers attend the meeting. He has confirmed he will be attending the meeting. APIRT is the section you would work with for any changes to RNs and he will be available to answer questions about that process.

If you are available at the requested time, please include the following individuals in your meeting request.

- Elizabeth Moorhead – Operating Permits Team Leader – elizabeth.moorhead@tceq.texas.gov
- Jesse Chacon – Operating Permits Section Manager - jesse.chacon@tceq.texas.gov
- Johnny Bowers – Air Permit Initial Review Team (APIRT) Team Leader - johnny.bowers@tceq.texas.gov

Please let me know if you have any questions.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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-----Original Appointment-----
From: Tim Plander <tplander@olsson.com>
Sent: Thursday, December 15, 2022 11:11 AM
To: Tim Plander; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Will Calderon; John Walker; Elizabeth Moorhead; Jesse Chacon
Subject: Fort Hood Air Operating Permit Renewal Follow Up - RN numbers
When: Tuesday, December 20, 2022 1:30 PM-2:30 PM (UTC-06:00) Central Time (US & Canada).
Where: Microsoft Teams Meeting

This meeting is intended to discuss a process to evaluate multiple RN numbers (142) found in the TCEQ registry under the name “Fort Hood”.

Question needing to be addressed - Which equipment addressed by the RN’s are part of the Title V permit and which are not?

Microsoft Teams meeting

Join on your computer, mobile app or room device
Click here to join the meeting

Meeting ID: 281 622 979 128
Passcode: XXoB7b

Download Teams | Join on the web

Learn More | Meeting options

Tim Plander, MBA
Senior Scientist / Air Quality

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O 402.474.6311

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From: Tim Plander <tplander@olsson.com>
Sent: Wednesday, December 14, 2022 12:48 PM
To: John Walker; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Will Calderon
Subject: RE: Proposed call on Thursday (12/15) to discuss Fort Hood and Multiple RN Numbers in TCEQ Registry

Thank you, John.

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

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Lincoln, NE 68508
O 402.474.6311

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Wednesday, December 14, 2022 12:47 PM
To: Tim Plander <tplander@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Will Calderon <wcalderon@olsson.com>
Subject: RE: Proposed call on Thursday (12/15) to discuss Fort Hood and Multiple RN Numbers in TCEQ Registry

Good Afternoon,

We will have to schedule for an alternative time or day. I know that at the proposed time I will be in training and management will be occupied.

My immediate supervisor is out of the office today but I will let her know of your request so that she can provide a time/date when she is available. I will provide you with the time/date as soon as possible.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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---

From: Tim Plander <tplander@olsson.com>
Sent: Wednesday, December 14, 2022 12:37 PM
To: John Walker <John.Walker@tceq.texas.gov>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Will Calderon <wcalderon@olsson.com>
Subject: Proposed call on Thursday (12/15) to discuss Fort Hood and Multiple RN Numbers in TCEQ Registry

Good afternoon,

During a search of the TCEQ registry, it appears there are 142 RN numbers under “Fort Hood”.

I set up a 30 minute call for tomorrow (Thursday, 12/15) to discuss the process to evaluate the RN numbers to determine which are in the Title V permit and which will not be in the Title V permit.

Feel free to propose an alternative day and time that works better for your schedule.

Thanks!

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

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From: John Walker
Sent: Thursday, December 1, 2022 3:11 PM
To: Will Calderon
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA); Nick Steinke; Tim Plander
Subject: RE: FOP O1659/Project 33269 Meeting Follow-Up

Good Afternoon,

Thank you for taking the time to meet with us today. As requested, I have included Dan Sim's email and links to information which can aid you below.

Dan Sims contact info:
Dan.sims@tceq.texas.gov

Outdated Standard Exemption Index:
Outdated Standard Exemption Index - Texas Commission on Environmental Quality - www.tceq.texas.gov

Please note, I was able to find the PBR Registration Nos. identified in my 11/21/2022 email. They do exist within our database, but under different Regulated Entity Reference Numbers (RN). This information will need to be sorted out with NSR or APIRT and Dan has stated you can contact him for questions. As you get the PBR information consistent, I will continue to review the Title V Permit Application and associated Title V forms that were submitted. You will receive an additional email from me with a list of discrepancies that will need to be resolved. These discrepancies will be kept independent from any issues identified so far with Form OP-PBRSUP and its associated PBR information. I hope to get this email to you before the upcoming holidays as I have worked through most of the Title V Renewal application. I don't believe the deficiencies will be as complex as those previously identified with the Form OP-PBRSUP and associated information.

Please provide me with the list of discrepancies between Fort Hood's provided PBR workbook, TCEQ's Central Registry listings under RN101612083, and the PDF documentation of PBRs and Standard Exemptions kept by Fort Hood and I will assist you in determining the best way to resolve them. I am only able to work on Title V documentation but can ensure you are directed to the proper people and teams to resolve discrepancies that I cannot resolve.

Please let me know if you have any additional questions.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087

Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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---

From: Will Calderon <wcalderon@olsson.com>
Sent: Thursday, December 1, 2022 1:56 PM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>; Nick Steinke <nsteinke@olsson.com>; Tim Plander <tplander@olsson.com>
Subject: FOP O1659/Project 33269 Meeting Follow-Up

Good afternoon John,

Thank you for helping to organize this morning's Teams meeting between Olsson, Fort Hood, and the TCEQ. As a follow-up, Olsson's next steps will be to finalize the list of discrepancies between Fort Hood's provided PBR workbook, TCEQ's Central Registry listings under RN101612083, and the PDF documentation of PBRs and Standard Exemptions kept by Fort Hood. Once this is completed and sent to you, Olsson will also address the edits you requested on forms OP-SUMR and OP-2. Once these are addressed, Olsson will continue to work with Fort Hood, Dan Sims, and you to complete the OP-PBRSUP form.

Thank you,

Will Calderon, EI, MS
(He, Him, His)
Environmental

C 402.515.8539

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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From: Tim Plander <tplander@olsson.com>
Sent: Monday, November 21, 2022 3:33 PM
To: John Walker
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA); Will Calderon; Nick Steinke; Curtis Hodges; Tim Plander
Subject: RE: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood - OP-2 (Revised), OP-PBRSUP, OP-SUMR (Revised)

Good afternoon, Mr. Walker.

On behalf of Fort Hood and Veterans Environmental Group, Olsson will provide responses to these items no later than November 28, 2022.

Thank you,

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

601 P Street, Suite 200
Lincoln, NE 68508
O 402.474.6311

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Monday, November 21, 2022 1:28 PM
To: Tim Plander <tplander@olsson.com>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Curtis Hodges <curtis.hodges@vetseg.com>
Subject: RE: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood - OP-2 (Revised), OP-PBRSUP, OP-SUMR (Revised)

Good Afternoon,

I am currently reviewing the renewal application for FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood. Please provide the following updates as soon as possible but no later than **11/28/2022:**

The documents submitted to me on 11/18/2022 require corrections. I have listed recommended changes to Form OP-PBRSUP, Form OP-SUMR, and Form OP-2 below. Please note that the submitted Form OP-PBRSUP will not be accepted by the EPA as is.

1. Form OP-PBRSUP

   (1) Many of the PBR Registration Nos. provided on Table A such as 54052, 52124, and 41479 do not exist within our databases. Please verify the PBR Registration Nos. and update them if required. You may use the TCEQ Site Map linked below to ensure your information is consistent between Form OP-PBRSUP and the TCEQ Site Map.

   TCEQ - NSR, TV and CapTrade Searchs (texas.gov)

   To use the TCEQ Site Map, select the link above. Then click on New Source Review Air Permits. Then enter the RN under Regulated Entity. For Status select ALL and Sort Direction select Descending. This will show all of the NSR Permits under the RN to better aid you in your determinations.

   (2) Please verify the Registration Dates for the PBR Registration Nos. and update them if required. I have noticed that some of the provided registration dates do not align with our database such as the Registration Date 03/14/1997 for PBR Registration No. 70014 for Unit ID SC011 and PBR 106.433. Our database shows that the Registration Date or Project Complete Date is 11/17/03.

   (3) Please verify that the PBR Registration Nos. are consistent with the listed PBR.

   For example, on Form OP-PBRSUP Table A for Unit ID ST003A, PBR Registration No. 24583 was provided for PBR 106.412 but our database shows that 24583 is for Standard Exemption 86.

   (4) Many of the Items listed on Table A of Form OP-PBRSUP have “Claimed, No Registration Required” for the Registration No. The EPA will not accept this. Table B is for Claimed (not registered) PBRs for the Application Area (by unit), and Table C is for Claimed (not registered) PBRs for Insignificant Sources for the Application Area.

   Please make corrections to Form OP-PBRSUP so that registered and claimed PBRs are on the correct tables respectively.

   (5) Please ensure that all PBRs listed on Tables A and B are listed on Table D.

2. Form OP-2 Table 2

   Revision No. 153 on Form OP-2 states you are adding PBR Registration Nos. but has conflicting information that may be confusing.

For example, you have listed units which you have requested to be removed from the Title V Permit and are stating you are adding PBR Registration Nos. to those units. This can be seen for Unit ID No. ARO81 which is part of Group ID No. SU001 which was removed by revision 134. I cannot add PBR Registration Nos. to units that are not in the Title V Permit. There can be units on Form OP-PBRSUP that are not in the Title V Permit but in order to avoid any confusion, I think using a revision with more general language and information may be more appropriate.

Please use a revision with more general information such as the example provided below.

Revision No.	Revision Code	Unit/Group Process			NSR Authoriz
		New Unit	ID No.	Applicable Form	
153	MS-A	Yes/No	Various	Various	Various

3. Form OP-SUMR

PBR Registration Nos. and the identified PBRs were not included on Form OP-SUMR Table 1 for their respective Unit IDs in the Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106 column. I am unable to add PBR Registration Nos. from Table A of Form OP-PBRSUP to units in the Title V Permit if they are not identified on Form OP-SUMR and in the correct format. Additionally, you have added revisions for adding PBR Registration Nos. to units that are being removed from the Title V Permit as identified in the item above.

Please add the PBR Registration Nos. from Table A of Form OP-PBRSUP to their respective units in the Title V Permit on Form OP-SUMR in the format found on pages 2 and 3 of the Form OP-SUMR Instructions linked below. An example of this format would be for 106.311/11/01/2003[81233] for Unit ID MO011 with 81233 being the PBR Registration number as seen below.

Please note that Form OP-PBRSUP is not an applicable form, it is not a Form in which I am adding information to the database. The appropriate UA Form or applicable Form should be identified. Examples of applicable forms are the OP-UA## Forms, OP-REQ2, OP-PCA, etc. Instructions for identifying Applicable Forms may be found on Page 6 of the Form OP-SUMR Instructions.

TCEQ Form 10344 - Individual Unit Summary for Revisions Form OP-SUMR Instructions (texas.gov)

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preco Authorizatio 116/ 30 T
A	153	MO011	~~OP-PBRSUP~~ Form OP-PCA	AMMO CRUSHING OPERATIONS		§106.262/1 106.311/11

Please let me know if you have questions in regards to these requested items.

Note that a Certification by the Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted once all items have been reviewed and resolved, I will request the form at a later time. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087

Phone: (512) 239-1277

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---

From: Tim Plander <tplander@olsson.com>
Sent: Friday, November 18, 2022 12:31 PM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Curtis Hodges <curtis.hodges@vetseg.com>
Subject: RE: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood - OP-2 (Revised), OP-PBRSUP, OP-SUMR (Revised)

Thank you for the confirmation of receipt.

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

601 P Street, Suite 200
Lincoln, NE 68508
O 402.474.6311

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Friday, November 18, 2022 11:55 AM
To: Tim Plander <tplander@olsson.com>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>; Will Calderon <wcalderon@olsson.com>; Nick Steinke <nsteinke@olsson.com>; Curtis Hodges <curtis.hodges@vetseg.com>
Subject: RE: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood - OP-2 (Revised), OP-PBRSUP, OP-SUMR (Revised)

Good Morning,

I have received the requested documents.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

How are we doing? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From:	Tim Plander <tplander@olsson.com>
Sent:	Friday, November 18, 2022 10:53 AM
To:	John Walker
Cc:	Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA); Will Calderon; Nick Steinke; Curtis Hodges
Subject:	RE: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood - OP-2 (Revised), OP-PBRSUP, OP-SUMR (Revised)
Attachments:	11-18-2022_ OP-2 Revised.docx; 11-18-2022_ OP-PBRSUP.docx; 11-18-2022_OP-SUMR Revised.docx

Good morning, Mr. Walker.

On behalf of Fort Hood, U.S. Army, and Veterans Environmental Group, please find attached the requested air quality operating permit renewal application forms including:

- OP-2 (revised),
- OP-PBRSUP, and
- OP-SUMR (revised).

On behalf of Fort Hood, U.S. Army, and Veterans Environmental Group, you are welcome to call or email me if you have any questions regarding the attached forms.

I will give you a call at 1 PM this afternoon to confirm you received the attachments.

Thank you,

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

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D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
A	41	IC001-13	OP-UA2	NEC REMOTE SERVICE CENTER BLDG 338		106.511/09/04/2000	
	42	IC001-14		DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000	
D	43	IC001-19		DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000	
	44	IC001-22		DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000	
	45	IC001-24		DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000	
	46	IC001-25		DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000	
D	47	IC001-33		DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000	

Texas Commission on Environmental Quality
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D	48	IC001-34		DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000	
D	49	IC001-35		DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000	
D	50	IC001-37		DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000	
D	51	IC001-42		DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000	
	52	IC001-43		DIESEL ENGINE FHFD – STATION 1 BLDG 23024		106.511/09/04/2000	
	55	IC001-47		DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000	
	57	IC001-48		DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000	
	59	IC001-49		DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000	

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D	62	IC001-50		DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000	
	64	~~IC001-54~~ IC002-18		DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000	
	66	IC001-55		DIESEL ENGINE FHFD STATION 4 BLDG 56517		106.511/09/04/2000	
D	68	IC001-57		DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000	
D	69	IC001-58		DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000	
D	70	IC001-59		DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000	

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D	71	IC001-64		DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000	
	74	IC001-67		DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000	
	76	IC001-68		DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000	
	78	IC001-69		DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000	

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A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000	
A	91	IC001-82	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000	

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A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000	
	98	IC002-14		DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000	
	99	IC002-16		DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000	

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A	100	IC002-17		WFH SCIF BLDG 90087		106.511/09/04/2000	
	101	IC002-6		DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000	
D	102	IC003-2		NATURAL GAS IC EQUIPMENT		106.511/09/04/2000	
	103	IC003-20		4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000	
D	104	IC003-23		DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000	
A	107	IC003-26	OP-UA2	HAHP TOWER BLDG 6997		106.511/09/04/2000	
D	108	IC003-3		NATURAL GAS IC EQUIPMENT		106.511/09/04/2000	

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	111	IC004-1		4SLB ENGINE FHFD TRANSMITTER BLDG 56013		106.511/09/04/2000	
D	112	IC004-2		4SRB ENGINE FHFD RGAAF BLDG 90145-2		106.511/09/04/2000	
D	113	IC004-3		4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000	
D	116	IC005-1		DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001	
	117			LEFT INTENTIONALLY BLANK			

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	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I: 88027-2-1, 88027-2-2		24538	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II: 88027-2-1, 88027-2-2		24538	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III: 88027-3-1, 88027-3-2		24538	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV: 88027-4-1, 88027-4-2		24538	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

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	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW008	OP-REQ2	WOODWORKING OPERATIONS BLDG 25031		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

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A	139	IC003-27		NFH EOC BLDG 56506		106.511/09/04/2000	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		PBR 54052	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		PBR 54052	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		PBR 54052	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		§106.534 - 1866	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		§106.262 – 81875 & 83515	
D	151	BOILER11	OP-UA6	STEAM BOILERS		§106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		§106.265/09/04/2000	

A	153	CT001	OP-PBRSUP	SITE-WIDE COOLING TOWER OPERATIONS		§106.371/03/07/2003	
A	153	EC002	OP-PBRSUP	DRY PARTS CLEANING OVEN - BLDG 88036		§106.495/11/02/2002	
A	153	ET001	OP-PBRSUP	JET ENGINE TESTING		§106.263/08/29/2006	
A	153	ET003	OP-PBRSUP	VEHICLE ENGINE TESTING		§106.263/08/29/2006	
A	153	IC001-14	OP-PBRSUP	DIESEL ENGINE RANGE CONTROL BLDG 56015		§106.511/03/07/2003	
A	153	IC001-16	OP-PBRSUP	DIESEL ENGINE GRANGER LAKE BLDG GRL03		§106.511/03/07/2003	
A	153	IC001-19	OP-PBRSUP	DIESEL ENGINE DELUGE PUMP BLDG 89100B		§106.511/03/07/2003	
A	153	IC001-33	OP-PBRSUP	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		§106.511/03/07/2003	
A	153	IC001-34	OP-PBRSUP	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		§106.511/03/07/2003	
A	153	IC001-35	OP-PBRSUP	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		§106.511/03/07/2003	
A	153	IC001-37	OP-PBRSUP	DIESEL ENGINE DELUGE PUMP BLDG 88020		§106.511/03/07/2003	
A	153	IC001-42	OP-PBRSUP	DIESEL ENGINE COLD STORAGE BLDG 57003-2		§106.511/03/07/2003	
A	153	IC001-5	OP-PBRSUP	FHFD STATION #5 DIESEL IC EQUIPMENT < 600HP, BLDG 52940		§106.511/03/07/2003	
A	153	IC001-51	OP-PBRSUP	DIESEL ENGINE DOL ADMIN BLDG 89010		§106.511/03/07/2003	
A	153	IC001-56	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251		§106.511/03/07/2003	

A	153	IC001-64	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		§106.511/03/07/2003	
A	153	IC001-65	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067		§106.511/03/07/2003	
A	153	IC001-68	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022		§106.511/03/07/2003	
A	153	IC001-8	OP-PBRSUP	DIESEL ENGINE, FH CMNI, BLDG 90500		§106.511/03/07/2003	
A	153	IC001-82	OP-PBRSUP	RGAAF TANK FARM GENERATOR		§106.511/03/05/2021	
A	153	IC001-85	OP-PBRSUP	RGAAF NLV EAST BLDG 90095		§106.511/09/04/2000	
A	153	IC001-86	OP-PBRSUP	RGAAF ASR-9 RADAR BLDG 92087		§106.511/09/04/2000	
A	153	IC002-1	OP-PBRSUP	COLD STORAGE DIESEL IC EQUIPMENT > 600HP, BLDG 89100A		§106.511/03/07/2003	
A	153	IC002-15	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13		§106.511/03/07/2003	
A	153	IC002-3	OP-PBRSUP	DIESEL ENGINE RM SHOEMAKER BLDG 36000		§106.511/03/07/2003	
A	153	IC002-4	OP-PBRSUP	DIESEL ENGINE RM SHOEMAKER BLDG 36000		§106.511/03/07/2003	
A	153	IC002-5	OP-PBRSUP	DIESEL ENGINE RM SHOEMAKER BLDG 36000		§106.511/03/07/2003	
A	153	IC002-6	OP-PBRSUP	DIESEL ENGINE ACS G2ITCE BLDG 22012		§106.511/03/07/2003	
A	153	IC002-7	OP-PBRSUP	DIESEL ENGINE III CORPS HQ #1 BLDG 1001		§106.511/03/07/2003	
A	153	IC002-8	OP-PBRSUP	DIESEL ENGINE III CORPS HQ #2 BLDG 1001		§106.511/03/07/2003	

A	153	IC002-9	OP-PBRSUP	DIESEL ENGINE III CORPS HQ #3 BLDG 1001		§106.511/03/07/2003	
A	153	IC003-10	OP-PBRSUP	4SLB ENGINE NEC RSC #1 BLDG 29017		§106.511/03/07/2003	
A	153	IC003-11	OP-PBRSUP	4SLB ENGINE NEC RSC #6 BLDG 91078		§106.511/03/07/2003	
A	153	IC003-1	OP-PBRSUP	4SLB ENGINE DPW HQ BLDG 4612		§106.511/03/07/2003	
A	153	IC003-2	OP-PBRSUP	NATURAL GAS IC EQUIPMENT, BLDG 7001		§106.511/03/07/2003	
A	153	IC003-5	OP-PBRSUP	4SLB ENGINE NEC RSC #5 NORTH BLDG 56304		§106.511/09/04/2000	
A	153	IC003-6	OP-PBRSUP	4SLB ENGINE NEC RSC #2 BLDG 4304		§106.511/03/07/2003	
A	153	IC003-7	OP-PBRSUP	4SLB ENGINE HAHP BLDG 7004		§106.511/03/07/2003	
A	153	IC003-8	OP-PBRSUP	4SLB ENGINE HAHP TRANSMITTER BLDG 7016		§106.511/03/07/2003	
A	153	IC003-9	OP-PBRSUP	4SLB ENGINE NEC RSC #3 BLDG 11002		§106.511/03/07/2003	
A	153	MO011	OP-PBRSUP	AMMO CRUSHING OPERATIONS		§106.262/11/01/2003	
A	153	MO004	OP-PBRSUP	BIOREMEDIATION OPERATIONS		§106.262/03/14/1997 §106.533/03/14/1997	
A	153	MO006	OP-PBRSUP	FUEL TANKER CLEANING OPERATIONS-BLDG 1949		§106.262/10/12/2005	
A	153	SC011	OP-PBRSUP	PAINT SPRAY BOOTH BLDG 92060		§106.433/03/14/1997	
A	153	SC016	OP-PBRSUP	COMPOSITE SITE OPERATIONS		113/10/04/1995	

A	153	SC021	OP-PBRSUP	PAINT SPRAYING BOOTH BLDG 22041		§106.433/05/19/2015	
A	153	ST001A	OP-PBRSUP	407TH FSBN (LRC) TANK FARM F-24 STORAGE TANK A		51/11/05/1986	
A	153	ST001B	OP-PBRSUP	407TH FSBN (LRC) TANK FARM F-24 STORAGE TANK B		51/11/05/1986	
A	153	ST001C	OP-PBRSUP	407TH FSBN (LRC) TANK FARM F-24 STORAGE TANK C		51/11/05/1986	
A	153	ST002A	OP-PBRSUP	407TH FSBN (LRC) TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
A	153	ST003A	OP-PBRSUP	407TH FSBN (LRC) TANK FARM GASOLINE STORAGE TANK A		§106.412/03/14/1997	
A	153	SU001	OP-PBRSUP	433 DEGREASER SITE-WIDE		§106.454/04/01/2002	
A	153	SU003	OP-PBRSUP	SOLVENT DISTILLATION/RECLAMATION UNIT - BLDG 1949		§106.261/09/11/2002	
A	153	ARO10A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
A	153	ARO10B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7013		80/12/01/1972	
A	153	ARO16A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
A	153	ARO16B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90094		70/11/25/1985	
A	153	ARO17A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	
A	153	ARO17B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90098		70/11/05/1986	

A	153	ARO18A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
A	153	ARO18B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90033		70/11/25/1985	
A	153	ARO19A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
A	153	ARO19B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
A	153	ARO1A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION BLDG 6978		124/05/04/1994	
A	153	ARO1B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6978		70/11/05/1986	
A	153	ARO20A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
A	153	ARO20B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 88024		70/06/07/1996	
A	153	ARO21A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
A	153	ARO21B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 88027		70/07/20/1992	
A	153	ARO25A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
A	153	ARO25B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
A	153	ARO26A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
A	153	ARO26B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 90051		80/12/01/1972	
A	153	ARO28	OP-PBRSUP	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994	

A	153	ARO29	OP-PBRSUP	SITE WIDE COLD SOLVENT PARTS CLEANERS		107/05/04/1994	
A	153	ARO2A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6975		124/05/04/1994	
A	153	ARO2B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
A	153	ARO30	OP-PBRSUP	ENGINE CLEANING BY FLUSHING BLDG. 90033		41/11/25/1985	
A	153	ARO31	OP-PBRSUP	ENGINE CLEANING BY FLUSHING BLDG. 90051		46/05/08/1972	
A	153	ARO32	OP-PBRSUP	COLD SOLVENT PARTS WASHER, BLDG. 90098		107/05/04/1994	
A	153	ARO33	OP-PBRSUP	ENGINE CLEANING BY FLUSHING BLDG. 90098		41/11/05/1986	
A	153	ARO34	OP-PBRSUP	COLD SOLVENT PARTS WASHER BLDG. 90051		107/05/04/1994	
A	153	ARO35	OP-PBRSUP	ENGINE CLEANING BY FLUSHING, BLDG. 90051		46/05/08/1972	
A	153	ARO36	OP-PBRSUP	COLD SOLVENT PARTS WASHER, BLDG. 6940		107/05/04/1994	
A	153	ARO37	OP-PBRSUP	COLD SOLVENT PARTS WASHER, BLDG. 7007		107/05/04/1994	
A	153	ARO38	OP-PBRSUP	COLD SOLVENT PARTS WASHER BLDG. 7021		107/05/04/1994	
A	153	ARO39	OP-PBRSUP	COLD SOLVENT PARTS WASHER BLDG. 7022		107/05/04/1994	
A	153	ARO3A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7007		124/05/04/1994	
A	153	ARO3B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7007		80/09/17/1973	

A	153	ARO42	OP-PBRSUP	COLD SOLVENT PARTS WASHER, BLDG. 7013		107/05/04/1994	
A	153	ARO43A	OP-PBRSUP	HAND WIPE CLEAINING, BLDG 6940 (AVIM)		70/11/05/1986	
A	153	ARO43B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 6940 (AVIM)		70/11/05/1986	
A	153	ARO44A	OP-PBRSUP	HAND WIPE CLEAINING, BLDG 90094		70/11/05/1986	
A	153	ARO44B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 90094 (AVIM)		70/11/05/1986	
A	153	ARO45A	OP-PBRSUP	HAND WIPE CLEAINING, BLDG 707		124/05/04/1994	
A	153	ARO45B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 707		124/05/04/1994	
A	153	ARO46A	OP-PBRSUP	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	
A	153	ARO46B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 708		124/05/04/1994	
A	153	ARO47A	OP-PBRSUP	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
A	153	ARO47B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 6970		70/11/05/1986	
A	153	ARO48A	OP-PBRSUP	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
A	153	ARO48B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 6972		70/11/05/1986	
A	153	ARO49A	OP-PBRSUP	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	
A	153	ARO49B	OP-PBRSUP	HAND WIPE CLEANING, BLDG 7027		124/05/04/1994	

A	153	ARO4A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6940		124/05/04/1994	
A	153	ARO4B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6940		70/11/05/1986	
A	153	ARO5A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7021		124/05/04/1994	
A	153	ARO5B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7021		80/09/23/1982	
A	153	ARO65	OP-PBRSUP	TOUCHUP TOPCOAT OPERATION, BLDG 707		70/06/07/1996	
A	153	ARO66	OP-PBRSUP	TOUCHUP TOPCOAT OPERATION, BLDG 708		70/06/07/1996	
A	153	ARO67	OP-PBRSUP	TOUCHUP TOPCOAT OPERATION, BLDG 7027		70/06/07/1996	
A	153	ARO68	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996	
A	153	ARO69	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 6975		41/06/07/1996	
A	153	ARO6A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
A	153	ARO6B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7022		80/01/08/1980	
A	153	ARO70	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 6978		41/06/07/1996	
A	153	ARO71	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 7012/7013		41/06/07/1996	
A	153	ARO72	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 7021		41/06/07/1996	
A	153	ARO73	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 7022		41/06/07/1996	

A	153	ARO74	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)		41/06/07/1996	
A	153	ARO75	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 707		41/06/07/1996	
A	153	ARO76	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 708		41/06/07/1996	
A	153	ARO77	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 6972		41/06/07/1996	
A	153	ARO78	OP-PBRSUP	ENGINE FLUSH CLEANING, BLDG 7027		41/06/07/1996	
A	153	ARO79	OP-PBRSUP	COLD PARTS WASHING, BLDG 6940 (AVIM)		§106.454/03/14/1997	
A	153	ARO7A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
A	153	ARO7B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 7012		80/12/01/1972	
A	153	ARO80	OP-PBRSUP	COLD PARTS WASHING, BLDG 6970		§106.454/03/14/1997	
A	153	ARO81	OP-PBRSUP	COLD PARTS WASHING, BLDG 6975		§106.454/03/14/1997	
A	153	ARO82	OP-PBRSUP	COLD PARTS WASHING, BLDG 6975		§106.454/03/14/1997	
A	153	ARO83	OP-PBRSUP	COLD PARTS WASHING, BLDG 6978		§106.454/03/14/1997	
A	153	ARO84	OP-PBRSUP	COLD PARTS WASHING, BLDG 90094		§106.454/03/14/1997	
A	153	ARO85	OP-PBRSUP	COLD PARTS WASHING, BLDG 90094 (AVIM)		§106.454/03/14/1997	
A	153	ARO86	OP-PBRSUP	COLD PARTS WASHING, BLDG 707		§106.454/03/14/1997	

A	153	ARO87	OP-PBRSUP	COLD PARTS WASHING, BLDG 708		§106.454/03/14/1997	
A	153	ARO88	OP-PBRSUP	COLD PARTS WASHING, BLDG 7012		§106.454/03/14/1997	
A	153	ARO89	OP-PBRSUP	COLD PARTS WASHING, BLDG 7027		§106.454/03/14/1997	
A	153	ARO8A	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
A	153	ARO8B	OP-PBRSUP	HAND-WIPE CLEANING OPERATION, BLDG. 6975		70/11/05/1986	
A	153	ARO90	OP-PBRSUP	COLD PARTS WASHING, BLDG 88027		§106.454/03/14/1997	
A	153	EC002	OP-PBRSUP	SITE-WIDE EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		§106.183/09/04/2000	
A	153	COMPREP	OP-PBRSUP	COMPOSITE SITE OPERATIONS		113/10/04/1995	
A	153	FS011A	OP-PBRSUP	HAHP F-24 STORAGE TANK A		§106.472/03/14/1997	
A	153	FS011B	OP-PBRSUP	HAHP F-24 STORAGE TANK B		§106.472/03/14/1997	
A	153	FS011C	OP-PBRSUP	HAHP F-24 STORAGE TANK C		§106.472/03/14/1997	
A	153	FS011	OP-PBRSUP	HAHP F-24 FUELING STATION		§106.412/03/14/1997	
A	153	FS018A	OP-PBRSUP	DOL TANK FARM DIESEL STORAGE TANK A		51/11/05/1986	
A	153	FS018	OP-PBRSUP	DOL FUELING STATION - BIODIESEL		§106.412/09/04/2000	
A	153	FS019A	OP-PBRSUP	DOL FUELING STATION E-85 STORAGE TANK A		§106.472/09/04/2000	

A	153	FS019	OP-PBRSUP	DOL FUELING STATION - E-85 GASOLINE		§106.412/09/04/2000	
A	153	FS020	OP-PBRSUP	NFH FUELING STATION		§106.412/09/04/2000	
A	153	FS021	OP-PBRSUP	SPLIT TANK GASOLINE FUELING STATION		§106.412/09/04/2000	
A	153	FS022	OP-PBRSUP	SPLIT TANK DIESEL FUELING STATION		§106.412/09/04/2000	
A	153	IC001-13	OP-PBRSUP	NEC REMOTE SERVICE CENTER BLDG 338		§106.511/09/04/2000	
A	153	IC001-18	OP-PBRSUP	DIESEL ENGINE ACP #9A-WFH CLARK GATE BLDG 70017		§106.511/09/04/2000	
A	153	IC001-21	OP-PBRSUP	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793		§106.511/09/04/2000	
A	153	IC001-22	OP-PBRSUP	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022		§106.511/09/04/2000	
A	153	IC001-24	OP-PBRSUP	DIESEL ENGINE RGAAF PRECISION APPROACH RADAR BLDG 90244		§106.511/09/04/2000	
A	153	IC001-25	OP-PBRSUP	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		§106.511/09/04/2000	
A	153	IC001-30	OP-PBRSUP	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031		§106.511/09/04/2000	
A	153	IC001-36	OP-PBRSUP	DIESEL ENGINE RGAAF BASE OPN BLDG 90029		§106.511/09/04/2000	
A	153	IC001-43	OP-PBRSUP	DIESEL ENGINE FHFD - STATION 1 BLDG 23024		§106.511/09/04/2000	
A	153	IC001-44	OP-PBRSUP	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155		§106.511/09/04/2000	

A	153	IC001-46	OP-PBRSUP	DIESEL ENGINE FHFD - STATION 3 BLDG 7083		§106.511/09/04/2000	
A	153	IC001-47	OP-PBRSUP	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		§106.511/09/04/2000	
A	153	IC001-48	OP-PBRSUP	DIESEL ENGINE OTC COMP SITE BLDG 53401		§106.511/09/04/2000	
A	153	IC001-49	OP-PBRSUP	DIESEL ENGINE OTC SCIF SITE BLDG 90159		§106.511/09/04/2000	
A	153	IC001-53	OP-PBRSUP	DIESEL ENGINE DOL MAINFRAME BLDG 88037		§106.511/09/04/2000	
A	153	IC001-54	OP-PBRSUP	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758		§106.511/09/04/2000	
A	153	IC001-55	OP-PBRSUP	DIESEL ENGINE FHFD STATION 4 BLDG 56517		§106.511/09/04/2000	
A	153	IC001-57	OP-PBRSUP	DIESEL ENGINE FIRE PUMP #1 BLDG 90056		§106.511/09/04/2000	
A	153	IC001-58	OP-PBRSUP	DIESEL ENGINE FIRE PUMP #2 BLDG 90056		§106.511/09/04/2000	
A	153	IC001-59	OP-PBRSUP	DIESEL ENGINE FIRE PUMP #3 BLDG 90056		§106.511/09/04/2000	
A	153	IC001-60	OP-PBRSUP	DIESEL ENGINE FIRE PUMP #1 BLDG 90177		§106.511/09/04/2000	
A	153	IC001-61	OP-PBRSUP	DIESEL ENGINE FIRE PUMP #2 BLDG 90177		§106.511/09/04/2000	
A	153	IC001-62	OP-PBRSUP	DIESEL ENGINE FIRE PUMP #3 BLDG 90177		§106.511/09/04/2000	
A	153	IC001-66	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE		§106.511/09/04/2000	

A	153	IC001-67	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		§106.511/09/04/2000	
A	153	IC001-69	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		§106.511/09/04/2000	
A	153	IC001-70	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040		§106.511/09/04/2000	
A	153	IC001-71	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670		§106.511/09/04/2000	
A	153	IC001-72	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154		§106.511/09/04/2000	
A	153	IC001-74	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149		§106.511/09/04/2000	
A	153	IC001-75	OP-PBRSUP	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		§106.511/09/04/2000	
A	153	IC001-76	OP-PBRSUP	VET CLINIC BLDG 4904		§106.511/09/04/2000	
A	153	IC001-77	OP-PBRSUP	BILLY JOHNSON DENTAL CLINIC BLDG 36014		§106.511/09/04/2000	
A	153	IC001-78	OP-PBRSUP	ACP 8 – TANK DESTROYER WEST BLDG 88060		§106.511/09/04/2000	
A	153	IC001-79	OP-PBRSUP	ACP 21 – 79TH STREET GATE BLDG 4624		§106.511/09/04/2000	
A	153	IC001-81	OP-PBRSUP	FAIRBANK DENTAL CLINIC BLDG 9440		§106.511/09/04/2000	
A	153	IC001-83	OP-PBRSUP	1ST ARMY HQ BLDG 410		§106.511/09/04/2000	
A	153	IC001-84	OP-PBRSUP	E911 CENTER BLDG 4435		§106.511/09/04/2000	
A	153	IC001-87	OP-PBRSUP	FIRE SUPPRESSION PUMP BLDG 11010		§106.511/09/04/2000	

A	153	IC001-88	OP-PBRSUP	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		§106.511/09/04/2000	
A	153	IC001-9	OP-PBRSUP	DIESEL ENGINE, VISITOR CENTER, BLDG 69012		§106.511/09/04/2000	
A	153	IC002-6	OP-PBRSUP	DIESEL ENGINE ACS G2ITCE BLDG 22010		§106.511/09/04/2000	
A	153	IC002-10	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #1, BLDG 36071		§106.511/09/04/2000	
A	153	IC002-11	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #2, BLDG 36071		§106.511/09/04/2000	
A	153	IC002-12	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #3, BLDG 36071		§106.511/09/04/2000	
A	153	IC002-13	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR CRDAMC #4, BLDG 36071		§106.511/09/04/2000	
A	153	IC002-14	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		§106.511/09/04/2000	
A	153	IC002-16	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		§106.511/09/04/2000	
A	153	IC002-17	OP-PBRSUP	WFH SCIF BLDG 90087		§106.511/09/04/2000	
A	153	IC002-18	OP-PBRSUP	DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		§106.511/09/04/2000	
A	153	IC003-13	OP-PBRSUP	4SRB ENGINE FHFD - RGAAF BLDG 90145		§106.511/09/04/2000	
A	153	IC003-14	OP-PBRSUP	4SRB ENGINE RGAAF - NLV BLDG 90048		§106.511/09/04/2000	

A	153	IC003-16	OP-PBRSUP	4SRB ENGINE NEC HQ BLDG 422		§106.511/09/04/2000	
A	153	IC003-17	OP-PBRSUP	4SRB ENGINE NEC HQ BLDG 422		§106.511/09/04/2000	
A	153	IC003-18	OP-PBRSUP	4SRB ENGINE NEC RSC #4 BLDG 7031		§106.511/09/04/2000	
A	153	IC003-19	OP-PBRSUP	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500		§106.511/09/04/2000	
A	153	IC003-20	OP-PBRSUP	4SRB ENGINE NEC RSC #7 BLDG 88075		§106.511/09/04/2000	
A	153	IC003-21	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206		§106.511/09/04/2000	
A	153	IC003-22	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140		§106.511/09/04/2000	
A	153	IC003-23	OP-PBRSUP	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		§106.511/09/04/2000	
A	153	IC003-24	OP-PBRSUP	RGAAF ASR-11 RADAR BLDG 92079		§106.511/09/04/2000	
A	153	IC003-25	OP-PBRSUP	OTC LAB (ATEC) BLDG 91008		§106.511/09/04/2000	
A	153	IC003-26	OP-PBRSUP	HAHP TOWER BLDG 6997		§106.511/09/04/2000	
A	153	IC003-27	OP-PBRSUP	NFH EOC BLDG 56506		§106.511/09/04/2000	
A	153	IC003-4	OP-PBRSUP	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016		§106.511/09/04/2000	
A	153	IC004-1	OP-PBRSUP	4SLB ENGINE FHFD TRANSMITTER BLDG 56013		§106.511/09/04/2000	
A	153	IC004-2	OP-PBRSUP	4SRB ENGINE FHFD RGAAF BLDG 90145-2		§106.511/09/04/2000	

A	153	IC004-3	OP-PBRSUP	4SRB ENGINE RGAAF NLV BLDG 90048-2		§106.511/09/04/2000	
A	153	IC004-5	OP-PBRSUP	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072		§106.511/09/04/2000	
A	153	IC004-6	OP-PBRSUP	4SRB ENGINE BLORA TRUNK SITE BLDG 20159		§106.511/09/04/2000	
A	153	IC004-7	OP-PBRSUP	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		§106.511/09/04/2000	
A	153	IC004-8	OP-PBRSUP	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		§106.511/09/04/2000	
A	153	LR001	OP-PBRSUP	SITE WIDE GASOLINE LOADING RACK		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
A	153	LR002	OP-PBRSUP	SITE WIDE DIESEL LOADING RACKS		§106.472/03/14/1997	
A	153	LR003	OP-PBRSUP	SITE WIDE F-24 LOADING RACKS		106/10/04/1995, 14/10/04/1995, 51/10/04/1995	
A	153	MO001	OP-PBRSUP	CLOSED MSW LANDFILL		110/09/12/1989	
A	153	SC015	OP-PBRSUP	MISCELLANEOUS SURFACE COATING OPERATIONS		§106.433/03/14/1997	
A	153	ST004A	OP-PBRSUP	RGAAF BULK F-24 STORAGE TANK A		51/09/23/1982	
A	153	ST004B	OP-PBRSUP	RGAAF BULK F-24 STORAGE TANK B		51/09/23/1982	
A	153	ST005A	OP-PBRSUP	MISCELLANEOUS DIESEL STORAGE TANK A		51/10/04/1995	
A	153	ST005B	OP-PBRSUP	MISCELLANEOUS DIESEL STORAGE TANK B		§106.412/09/04/2000	

A	153	ST005C	OP-PBRSUP	MISCELLANEOUS DIESEL STORAGE TANK C		§106.412/09/04/2000	
A	153	ST005E	OP-PBRSUP	MISC DIESEL STORAGE TANK E		§106.472/03/14/1997	
A	153	ST005F	OP-PBRSUP	MISCELLANEOUS DIESEL STORAGE TANK F		§106.412/09/04/2000	
A	153	ST005G	OP-PBRSUP	MISCELLANEOUS DIESEL STORAGE TANK G		§106.412/09/04/2000	
A	153	ST005I	OP-PBRSUP	DAMC DIESEL STORAGE TANK I		§106.412/09/04/2000, §106.472/09/04/2000	
A	153	ST006A	OP-PBRSUP	MISCELLANEOUS F-24 STORAGE TANK A		§106.472/09/04/2000	
A	153	ST006B	OP-PBRSUP	MISCELLANEOUS F-24 STORAGE TANK B		§106.412/09/04/2000	
A	153	ST006C	OP-PBRSUP	MISCELLANEOUS F-24 STORAGE TANK C		§106.412/09/04/2000	
A	153	ST006D	OP-PBRSUP	MISCELLANEOUS F-24 STORAGE TANK D		§106.412/09/04/2000	
A	153	ST006E	OP-PBRSUP	MISCELLANEOUS F-24 STORAGE TANK E		§106.412/09/04/2000	
A	153	ST007A	OP-PBRSUP	MISCELLANEOUS GASOLINE STORAGE TANK A		§106.412/09/04/2000	
A	153	ST007B	OP-PBRSUP	MISC GASOLINE STORAGE TANK B		§106.473/03/14/1997	
A	153	ST007C	OP-PBRSUP	MISCELLANEOUS GASOLINE STORAGE TANK C		§106.412/09/04/2000	
A	153	ST007D	OP-PBRSUP	MISCELLANEOUS GASOLINE STORAGE TANK D		§106.412/09/04/2000	
A	153	ST007E	OP-PBRSUP	MISCELLANEOUS GASOLINE STORAGE TANK E		§106.412/09/04/2000	

A	153	ST007F	OP-PBRSUP	MISCELLANEOUS GASOLINE STORAGE TANK F		§106.412/09/04/2000	
A	153	ST007G	OP-PBRSUP	MISCELLANEOUS GASOLINE STORAGE TANK G		§106.412/09/04/2000	
A	153	ST008A	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK A		§106.472/09/04/2000	
A	153	ST008B	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK B		§106.472/09/04/2000	
A	153	ST008C	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK C		§106.472/09/04/2000	
A	153	ST008D	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK D		§106.472/09/04/2000	
A	153	ST008E	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK E		§106.472/09/04/2000	
A	153	ST008F	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK F		§106.472/09/04/2000	
A	153	ST008G	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK G		§106.412/09/04/2000	
A	153	ST008H	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK H		§106.472/09/04/2000	
A	153	ST008I	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK I		§106.472/09/04/2000	
A	153	ST008J	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK J		§106.472/09/04/2000	
A	153	ST008K	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK K		§106.472/09/04/2000	
A	153	ST008L	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK L		§106.472/09/04/2000	
A	153	ST008M	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK M		§106.472/09/04/2000	

A	153	ST008N	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK N		§106.472/09/04/2000	
A	153	ST008O	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK O		§106.472/09/04/2000	
A	153	ST008P	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK P		§106.472/09/04/2000	
A	153	ST008Q	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK Q		§106.472/09/04/2000	
A	153	ST008S	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK S		§106.472/09/04/2000	
A	153	ST008T	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE T		§106.472/09/04/2000	
A	153	ST008U	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK U		§106.472/09/04/2000	
A	153	ST008V	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK V		§106.472/09/04/2000	
A	153	ST008W	OP-PBRSUP	MISCELLANEOUS USED OIL STORAGE TANK W		§106.472/09/04/2000	
A	153	ST009A	OP-PBRSUP	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A		§106.472/09/04/2000	
A	153	ST009B	OP-PBRSUP	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B		§106.472/09/04/2000	
A	153	ST009C	OP-PBRSUP	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C		§106.472/09/04/2000	
A	153	ST009D	OP-PBRSUP	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D		§106.472/09/04/2000	
A	153	ST009E	OP-PBRSUP	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E		§106.472/09/04/2000	
A	153	ST009F	OP-PBRSUP	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F		§106.472/09/04/2000	

A	153	ST010A	OP-PBRSUP	MISCELLANEOUS OIL STORAGE TANK A		§106.472/09/04/2000	
A	153	ST010B	OP-PBRSUP	MISCELLANEOUS OIL STORAGE TANK B		§106.472/09/04/2000	
A	153	ST010C	OP-PBRSUP	MISCELLANEOUS OIL STORAGE TANK C		§106.472/09/04/2000	
A	153	WL001	OP-PBRSUP	SITE-WIDE WELDING OPERATIONS		§106.227/09/04/2000	
A	153	WW001	OP-PBRSUP	LRC WOODWORKING AND MANUFACTURING OPERATIONS		§106.231/09/04/2000 & §106.265/09/04/2000	
A	153	WW002	OP-PBRSUP	ALL-STAR WOODWORKING OPERATIONS		§106.231/09/04/2000 & §106.265/09/04/2000	
A	153	WW003	OP-PBRSUP	DPW WOODOWORKING AND MANUFACTURING OPERATIONS BLDG 40009		§106.231/09/04/2000 & §106.265/09/04/2000	
A	153	WW004	OP-PBRSUP	DMWR WOODWORKING OPERATIONS		§106.231/09/04/2000 & §106.265/09/04/2000	
A	153	WW007	OP-PBRSUP	TSC WOODWORKING OPERATIONS		§106.231/09/04/2000 & §106.265/09/04/2000	
A	153	WW009	OP-PBRSUP	WOODWORKING OPERATIONS BLDG40009		§106.231/09/04/2000 & §106.265/09/04/2000	
A	153	BLR36071-1/EC001	OP-PBRSUP	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		§106.183/09/04/2000	
A	153	BLR36071-2/EC001	OP-PBRSUP	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		§106.183/09/04/2000	
A	153	BLR36071-3/EC001	OP-PBRSUP	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		§106.183/09/04/2000	

A	153	BLR36071-4/EC001	OP-PBRSUP	STEAM BOILERS > 10MMBTU/HR– BLDG 36071		§106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
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Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001

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Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
71	IC001-64	OP-UA2	D	IC001-64
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
109	IC003-5	OP-UA2	A	GRP-ENGINE2
116	IC005-1	OP-UA2	D	IC005-01
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-REQ2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
152	WW008	OP-UA1	D	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
11/18/2022	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

Permit By Rule Supplemental Table (Page 1)
Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

Unit ID No.	Registration No.	PBR No.	Registration Date
CT001	54052	106.371	03/07/2003
EC002	52124	106.495	11/02/2002
EC002	Claimed, No Registration Required	106.183	09/04/2000
ET001	79646	106.263	08/29/2006
ET003	79646	106.263	08/29/2006
IC001-14	54052	106.511	03/07/2003
IC001-16	54052	106.511	03/07/2003

IC001-5	54052	106.511	03/07/2003
IC001-51	54052	106.511	03/07/2003
IC001-56	54052	106.511	03/07/2003
IC001-65	54052	106.511	03/07/2003
IC001-68	54052	106.511	03/07/2003
IC001-8	54052	106.511	03/07/2003
IC001-82	164083	106.511	03/05/2021
IC001-85	Claimed, No Registration Required	106.511	09/04/2000
IC001-86	Claimed, No Registration Required	106.511	09/04/2000
IC002-1	54052	106.511	03/07/2003
IC002-15	54052	106.511	03/07/2003
IC002-3	54052	106.511	03/07/2003
IC002-4	54052	106.511	03/07/2003
IC002-5	54052	106.511	03/07/2003
IC002-6	54052	106.511	09/04/2000
IC002-7	54052	106.511	03/07/2003
IC002-8	54052	106.511	03/07/2003
IC002-9	54052	106.511	03/07/2003
IC003-10	54052	106.511	03/07/2003
IC003-11	54052	106.511	03/07/2003

IC003-1	54052	106.511	03/07/2003
IC003-5	54052	106.511	09/04/2000
IC003-6	54052	106.511	03/07/2003
IC003-7	54052	106.511	03/07/2003
IC003-8	54052	106.511	03/07/2003
IC003-9	54052	106.511	03/07/2003
MO011	81233	106.262	11/01/2003
MO004	41479	106.262, 106.533	03/14/1997, 03/14/1997
MO006	76961	106.262	10/12/2005
SC011	70014	106.433	03/14/1997
SC021	131851	106.433	05/19/2015
ST003A	24583	106.412	03/14/1997
SU001	50528	106.454	04/01/2002
SU003	52124	106.261	09/11/2002
HH001	Claimed, No Registration Required	106.265	09/04/2000
CT002	54052	106.371	09/04/2000
ST012	Claimed, No Registration Required	106.412	09/04/2000
SP001	Claimed, No Registration Required	106.418	11/26/1997
ARO00	24538	106.433	09/04/2000
SU002	Claimed, No Registration Required	106.454	03/14/1997

ST014	Claimed, No Registration Required	106.472	09/04/2000
ST016	Claimed, No Registration Required	106.473	09/04/2000
ARO79	50528	106.454	03/14/1997
ARO80	50528	106.454	03/14/1997
ARO81	50528	106.454	03/14/1997
ARO82	50528	106.454	03/14/1997
ARO83	50528	106.454	03/14/1997
ARO84	50528	106.454	03/14/1997
ARO85	50528	106.454	03/14/1997
ARO86	50528	106.454	03/14/1997
ARO87	50528	106.454	03/14/1997
ARO88	50528	106.454	03/14/1997
ARO89	50528	106.454	03/14/1997
ARO90	50528	106.454	03/14/1997
FS011A	Claimed, No Registration Required	106.472	03/14/1997
FS011B	Claimed, No Registration Required	106.472	03/14/1997
FS011C	Claimed, No Registration Required	106.472	03/14/1997
FS011	Claimed, No Registration Required	106.412	03/14/1997
FS018	Claimed, No Registration Required	106.412	09/04/2000
FS019A	Claimed, No Registration Required	106.472	09/04/2000

FS019	Claimed, No Registration Required	106.412	09/04/2000
FS020	Claimed, No Registration Required	106.412	09/04/2000
FS021	Claimed, No Registration Required	106.412	09/04/2000
FS022	Claimed, No Registration Required	106.412	09/04/2000
IC001-13	Claimed, No Registration Required	106.511	09/04/2000
IC001-18	Claimed, No Registration Required	106.511	09/04/2000
IC001-21	Claimed, No Registration Required	106.511	09/04/2000
IC001-22	Claimed, No Registration Required	106.511	09/04/2000
IC001-24	54052	106.511	09/04/2000
IC001-25	Claimed, No Registration Required	106.511	09/04/2000
IC001-30	Claimed, No Registration Required	106.511	09/04/2000
IC001-36	54052	106.511	09/04/2000
IC001-43	Claimed, No Registration Required	106.511	09/04/2000
IC001-44	Claimed, No Registration Required	106.511	09/04/2000
IC001-46	Claimed, No Registration Required	106.511	09/04/2000
IC001-47	Claimed, No Registration Required	106.511	09/04/2000
IC001-48	Claimed, No Registration Required	106.511	09/04/2000
IC001-49	Claimed, No Registration Required	106.511	09/04/2000
IC001-53	Claimed, No Registration Required	106.511	09/04/2000
IC001-55	Claimed, No Registration Required	106.511	09/04/2000

IC001-60	Claimed, No Registration Required	106.511	09/04/2000
IC001-61	Claimed, No Registration Required	106.511	09/04/2000
IC001-62	Claimed, No Registration Required	106.511	09/04/2000
IC001-66	Claimed, No Registration Required	106.511	09/04/2000
IC001-67	Claimed, No Registration Required	106.511	09/04/2000
IC001-69	Claimed, No Registration Required	106.511	09/04/2000
IC001-70	Claimed, No Registration Required	106.511	09/04/2000
IC001-71	Claimed, No Registration Required	106.511	09/04/2000
IC001-72	Claimed, No Registration Required	106.511	09/04/2000
IC001-74	Claimed, No Registration Required	106.511	09/04/2000
IC001-75	Claimed, No Registration Required	106.511	09/04/2000
IC001-76	Claimed, No Registration Required	106.511	09/04/2000
IC001-77	Claimed, No Registration Required	106.511	09/04/2000
IC001-78	Claimed, No Registration Required	106.511	09/04/2000
IC001-79	Claimed, No Registration Required	106.511	09/04/2000
IC001-81	Claimed, No Registration Required	106.511	09/04/2000
IC001-83	Claimed, No Registration Required	106.511	09/04/2000
IC001-84	Claimed, No Registration Required	106.511	09/04/2000
IC001-87	Claimed, No Registration Required	106.511	09/04/2000
IC001-88	Claimed, No Registration Required	106.511	09/04/2000

IC001-9	54052	106.511	09/04/2000
IC002-10	Claimed, No Registration Required	106.511	09/04/2000
IC002-11	Claimed, No Registration Required	106.511	09/04/2000
IC002-12	Claimed, No Registration Required	106.511	09/04/2000
IC002-13	Claimed, No Registration Required	106.511	09/04/2000
IC002-14	Claimed, No Registration Required	106.511	09/04/2000
IC002-16	Claimed, No Registration Required	106.511	09/04/2000
IC002-17	Claimed, No Registration Required	106.511	09/04/2000
~~IC001-54~~ IC002-18	Claimed, No Registration Required	106.511	09/04/2000
IC003-13	Claimed, No Registration Required	106.511	09/04/2000
IC003-14	54052	106.511	09/04/2000
IC003-16	Claimed, No Registration Required	106.511	09/04/2000
IC003-17	Claimed, No Registration Required	106.511	09/04/2000
IC003-18	Claimed, No Registration Required	106.511	09/04/2000
IC003-19	Claimed, No Registration Required	106.511	09/04/2000
IC003-20	Claimed, No Registration Required	106.511	09/04/2000
IC003-21	Claimed, No Registration Required	106.511	09/04/2000
~~IC003-22~~ IC-DF90140	Claimed, No Registration Required	106.511	09/04/2000
IC003-24	Claimed, No Registration Required	106.511	09/04/2000

IC003-25	Claimed, No Registration Required	106.511	09/04/2000
IC003-26	Claimed, No Registration Required	106.511	09/04/2000
IC003-27	Claimed, No Registration Required	106.511	09/04/2000
IC003-4	Claimed, No Registration Required	106.511	09/04/2000
IC004-1	54052	106.511	09/04/2000
IC004-2	54052	106.511	09/04/2000
IC004-3	54052	106.511	09/04/2000
IC004-5	54052	106.511	09/04/2000
IC004-6	54052	106.511	09/04/2000
IC004-7	54052	106.511	09/04/2000
IC004-8	54052	106.511	09/04/2000
LR002	Claimed, No Registration Required	106.472	03/14/1997
SC015	Claimed, No Registration Required	106.433	03/14/1997
ST005B	Claimed, No Registration Required	106.412	09/04/2000
ST005C	Claimed, No Registration Required	106.412	09/04/2000
ST005E	Claimed, No Registration Required	106.472	03/14/1997
ST005F	Claimed, No Registration Required	106.412	09/04/2000
ST005G	Claimed, No Registration Required	106.412	09/04/2000
ST005I	Claimed, No Registration Required	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	Claimed, No Registration Required	106.472	09/04/2000

ST006B	Claimed, No Registration Required	106.412	09/04/2000
ST006C	Claimed, No Registration Required	106.412	09/04/2000
ST006D	Claimed, No Registration Required	106.412	09/04/2000
ST006E	Claimed, No Registration Required	106.412	09/04/2000
ST007A	Claimed, No Registration Required	106.412	09/04/2000
ST007B	Claimed, No Registration Required	106.473	03/14/1997
ST007C	Claimed, No Registration Required	106.412	09/04/2000
ST007D	Claimed, No Registration Required	106.412	09/04/2000
ST007E	Claimed, No Registration Required	106.412	09/04/2000
ST007F	Claimed, No Registration Required	106.412	09/04/2000
ST007G	Claimed, No Registration Required	106.412	09/04/2000
ST008A	Claimed, No Registration Required	106.472	09/04/2000
ST008B	Claimed, No Registration Required	106.472	09/04/2000
ST008C	Claimed, No Registration Required	106.472	09/04/2000
ST008D	Claimed, No Registration Required	106.472	09/04/2000
ST008E	Claimed, No Registration Required	106.472	09/04/2000
ST008F	Claimed, No Registration Required	106.472	09/04/2000
ST008G	Claimed, No Registration Required	106.412	09/04/2000
ST008H	Claimed, No Registration Required	106.472	09/04/2000
ST008I	Claimed, No Registration Required	106.472	09/04/2000

ST008J	Claimed, No Registration Required	106.472	09/04/2000
ST008K	Claimed, No Registration Required	106.472	09/04/2000
ST008L	Claimed, No Registration Required	106.472	09/04/2000
ST008M	Claimed, No Registration Required	106.472	09/04/2000
ST008N	Claimed, No Registration Required	106.472	09/04/2000
ST008O	Claimed, No Registration Required	106.472	09/04/2000
ST008P	Claimed, No Registration Required	106.472	09/04/2000
ST008Q	Claimed, No Registration Required	106.472	09/04/2000
ST008S	Claimed, No Registration Required	106.472	09/04/2000
ST008T	Claimed, No Registration Required	106.472	09/04/2000
ST008U	Claimed, No Registration Required	106.472	09/04/2000
ST008V	Claimed, No Registration Required	106.472	09/04/2000
ST008W	Claimed, No Registration Required	106.472	09/04/2000
ST009A	Claimed, No Registration Required	106.472	09/04/2000
ST009B	Claimed, No Registration Required	106.472	09/04/2000
ST009C	Claimed, No Registration Required	106.472	09/04/2000
ST009D	Claimed, No Registration Required	106.472	09/04/2000
ST009E	Claimed, No Registration Required	106.472	09/04/2000
ST009F	Claimed, No Registration Required	106.472	09/04/2000
ST010A	Claimed, No Registration Required	106.472	09/04/2000

ST010B	Claimed, No Registration Required	106.472	09/04/2000
ST010C	Claimed, No Registration Required	106.472	09/04/2000
WL001	Claimed, No Registration Required	106.227	09/04/2000
WW001	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW002	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW003	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW004	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW007	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
WW009	Claimed, No Registration Required	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-2/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-3/EC001	Claimed, No Registration Required	106.183	09/04/2000
BLR36071-4/EC001	Claimed, No Registration Required	106.183	09/04/2000

Permit By Rule Supplemental Table (Page 2)
Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date
ARO79	106.454	03/14/1997
ARO80	106.454	03/14/1997
ARO81	106.454	03/14/1997
ARO82	106.454	03/14/1997
ARO83	106.454	03/14/1997
ARO84	106.454	03/14/1997
ARO85	106.454	03/14/1997
ARO86	106.454	03/14/1997
ARO87	106.454	03/14/1997
ARO88	106.454	03/14/1997
ARO89	106.454	03/14/1997
ARO90	106.454	03/14/1997

EC002	106.183	09/04/2000
EC002	106.495	11/02/2002
FS011A	106.472	03/14/1997
FS011B	106.472	03/14/1997
FS011C	106.472	03/14/1997
FS011	106.412	03/14/1997
FS018	106.412	09/04/2000
FS019A	106.472	09/04/2000
FS019	106.412	09/04/2000
FS020	106.412	09/04/2000
FS021	106.412	09/04/2000
FS022	106.412	09/04/2000
IC001-13	106.511	09/04/2000
IC001-18	106.511	09/04/2000
IC001-21	106.511	09/04/2000
IC001-22	106.511	09/04/2000
IC001-24	106.511	09/04/2000
IC001-25	106.511	09/04/2000
IC001-30	106.511	09/04/2000
IC001-36	106.511	09/04/2000
IC001-43	106.511	09/04/2000

IC001-44	106.511	09/04/2000
IC001-46	106.511	09/04/2000
IC001-47	106.511	09/04/2000
IC001-48	106.511	09/04/2000
IC001-49	106.511	09/04/2000
IC001-53	106.511	09/04/2000
IC001-55	106.511	09/04/2000
IC001-60	106.511	09/04/2000
IC001-61	106.511	09/04/2000
IC001-62	106.511	09/04/2000
IC001-66	106.511	09/04/2000
IC001-67	106.511	09/04/2000
IC001-69	106.511	09/04/2000
IC001-70	106.511	09/04/2000
IC001-71	106.511	09/04/2000
IC001-72	106.511	09/04/2000
IC001-74	106.511	09/04/2000
IC001-75	106.511	09/04/2000
IC001-76	106.511	09/04/2000
IC001-77	106.511	09/04/2000
IC001-78	106.511	09/04/2000

IC001-79	106.511	09/04/2000
IC001-81	106.511	09/04/2000
IC001-83	106.511	09/04/2000
IC001-84	106.511	09/04/2000
IC001-87	106.511	09/04/2000
IC001-88	106.511	09/04/2000
IC001-9	106.511	09/04/2000
IC002-10	106.511	09/04/2000
IC002-11	106.511	09/04/2000
IC002-12	106.511	09/04/2000
IC002-13	106.511	09/04/2000
IC002-14	106.511	09/04/2000
IC002-16	106.511	09/04/2000
IC002-17	106.511	09/04/2000
~~IC001-54~~ IC002-18	106.511	09/04/2000
IC003-13	106.511	09/04/2000
IC003-14	106.511	09/04/2000
IC003-16	106.511	09/04/2000
IC003-17	106.511	09/04/2000
IC003-18	106.511	09/04/2000

IC003-19	106.511	09/04/2000
IC003-20	106.511	09/04/2000
IC003-21	106.511	09/04/2000
~~IC003-22~~ IC-DF90140	106.511	09/04/2000
IC003-24	106.511	09/04/2000
IC003-25	106.511	09/04/2000
IC003-26	106.511	09/04/2000
IC003-27	106.511	09/04/2000
IC003-4	106.511	09/04/2000
IC004-1	106.511	09/04/2000
IC004-2	106.511	09/04/2000
IC004-3	106.511	09/04/2000
IC004-5	106.511	09/04/2000
IC004-6	106.511	09/04/2000
IC004-7	106.511	09/04/2000
IC004-8	106.511	09/04/2000
LR002	106.472	03/14/1997
SC015	106.433	03/14/1997
ST005B	106.412	09/04/2000
ST005C	106.412	09/04/2000

ST005E	106.472	03/14/1997
ST005F	106.412	09/04/2000
ST005G	106.412	09/04/2000
ST005I	106.412, 106.472	09/04/2000, 09/04/2000
ST006A	106.472	09/04/2000
ST006B	106.412	09/04/2000
ST006C	106.412	09/04/2000
ST006D	106.412	09/04/2000
ST006E	106.412	09/04/2000
ST007A	106.412	09/04/2000
ST007B	106.473	03/14/1997
ST007C	106.412	09/04/2000
ST007D	106.412	09/04/2000
ST007E	106.412	09/04/2000
ST007F	106.412	09/04/2000
ST007G	106.412	09/04/2000
ST008A	106.472	09/04/2000
ST008B	106.472	09/04/2000
ST008C	106.472	09/04/2000
ST008D	106.472	09/04/2000
ST008E	106.472	09/04/2000

ST008F	106.472	09/04/2000
ST008G	106.412	09/04/2000
ST008H	106.472	09/04/2000
ST008I	106.472	09/04/2000
ST008J	106.472	09/04/2000
ST008K	106.472	09/04/2000
ST008L	106.472	09/04/2000
ST008M	106.472	09/04/2000
ST008N	106.472	09/04/2000
ST008O	106.472	09/04/2000
ST008P	106.472	09/04/2000
ST008Q	106.472	09/04/2000
ST008S	106.472	09/04/2000
ST008T	106.472	09/04/2000
ST008U	106.472	09/04/2000
ST008V	106.472	09/04/2000
ST008W	106.472	09/04/2000
ST009A	106.472	09/04/2000
ST009B	106.472	09/04/2000
ST009C	106.472	09/04/2000
ST009D	106.472	09/04/2000

ST009E	106.472	09/04/2000
ST009F	106.472	09/04/2000
ST010A	106.472	09/04/2000
ST010B	106.472	09/04/2000
ST010C	106.472	09/04/2000
WL001	106.227	09/04/2000
WW001	106.231 & 106.265	09/04/2000
WW002	106.231 & 106.265	09/04/2000
WW003	106.231 & 106.265	09/04/2000
WW004	106.231 & 106.265	09/04/2000
WW007	106.231 & 106.265	09/04/2000
WW009	106.231 & 106.265	09/04/2000
BLR36071-1/EC001	106.183	09/04/2000
BLR36071-2/EC001	106.183	09/04/2000
BLR36071-3/EC001	106.183	09/04/2000
BLR36071-4/EC001	106.183	09/04/2000
HH001	106.265	09/04/2000
CT001	106.371	03/07/2003
CT002	106.371	09/04/2000
ST012	106.412	09/04/2000
SP001	106.418	11/26/1997

ARO00	106.433	09/04/2000
SU002	106.454	03/14/1997
ST014	106.472	09/04/2000
ST016	106.473	09/04/2000
ET001	106.263	08/29/2006
ET003	106.263	08/29/2006
IC001-14	106.511	03/07/2003
IC001-16	106.511	03/07/2003
IC001-5	106.511	03/07/2003
IC001-51	106.511	03/07/2003
IC001-56	106.511	03/07/2003
IC001-65	106.511	03/07/2003
IC001-68	106.511	03/07/2003
IC001-8	106.511	03/07/2003
IC001-82	106.511	03/05/2021
IC001-85	106.511	09/04/2000
IC001-86	106.511	09/04/2000
IC002-1	106.511	03/07/2003
IC002-15	106.511	03/07/2003
IC002-3	106.511	03/07/2003
IC002-4	106.511	03/07/2003

IC002-5	106.511	03/07/2003
IC002-6	106.511	09/04/2000
IC002-7	106.511	03/07/2003
IC002-8	106.511	03/07/2003
IC002-9	106.511	03/07/2003
IC003-10	106.511	03/07/2003
IC003-11	106.511	03/07/2003
IC003-1	106.511	03/07/2003
IC003-5	106.511	09/04/2000
IC003-6	106.511	03/07/2003
IC003-7	106.511	03/07/2003
IC003-8	106.511	03/07/2003
IC003-9	106.511	03/07/2003
MO011	106.262	11/01/2003
MO004	106.262, 106.533	03/14/1997, 03/14/1997
MO006	106.262	10/12/2005
SC011	106.433	03/14/1997
SC021	106.433	05/19/2015
ST003A	106.412	03/14/1997
SU001	106.454	04/01/2002
SU003	106.261	09/11/2002

Permit By Rule Supplemental Table (Page 3)
Table C: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

PBR No.	Version No./Date
106.313	09/04/2000
14	10/04/1995
41	11/25/1985
41	11/05/1986
41	06/07/1996
46	05/08/1972
51	09/23/1982
51	11/05/1986
51	10/04/1995
51	06/07/1996
70	11/25/1985
70	11/05/1986
70	07/20/1992
70	06/07/1996
75	04/05/1995
75	06/07/1996
80	12/01/1972
80	09/17/1973
80	01/08/1980
80	09/23/1982
80	06/07/1996

86	10/04/1995
102	05/04/1994
106	10/04/1995
107	05/04/1994
107	06/07/1996
110	09/12/1989
113	10/04/1995
124	05/04/1994

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
11/18/2022	O1659	RN101612083

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
CT001	106.371	54052	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1

EC002	106.495	52124	Maintain a copy of Section 106.4 and Section 106.495, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.495, the following conditions are met: (1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. (2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator. (3) The combustible material shall contain no halogenated organic compounds. (4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater. (5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period. (6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions. (7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power. (8) The emission of any air contaminant shall not exceed 0.5 pounds per Hour and 2.0 tons per year. Compliance with 106.495(5) will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6

			EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4 EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5

ET001	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; or Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51

			EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

ET003	106.263	79646	This PBR covers engine testing. This operation under PBR 106.263 is subject to 30 TAC 106.263(g) requiring records identifying: (1) the type and reason for the activity or facility construction; (2) the processes and equipment involved; (3) the date, time, and duration of the activity or facility operation; and (4) the air contaminants and amounts which are emitted as a result of the activity or facility operation. The calculation formulas for unit emissions are: Number of Engines*Horsepower of Mode One*Minutes in Mode One/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Two*Minutes in Mode Two/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Three*Minutes in Mode Three/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Four*Minutes in Mode Four/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Five*Minutes in Mode Five/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Six*Minutes in Mode Six/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Seven*Minutes in Mode Seven/60*Emission Factor/1000; Number of Engines*Horsepower of Mode Eight*Minutes in Mode Eight/60*Emission Factor/1000; Where Horsepowers for each engine mode are given in manufacturer's specifications; Minutes of runtime in each engine mode are recorded on the test stand; The number of engines tested monthly are submitted to the environmental management office for entry into the system database; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5

			EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-14	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-16	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-51	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-56	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-65	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-68	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-82	106.511	164083	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-85	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-86	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-15	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-3	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-4	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-10	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-11	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-1	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-5	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-6	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-7	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-8	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-9	106.511	54052	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

MO011	106.262	81233	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The calculation formula for unit emissions is: Hours of Operation * Emission Factor Where Emission factors are reported in lb*1000/hp-hr and sourced from Fort Hood Munitions Burner Documentation EF for Ethylbenzene = 6.00E-7 EF for Styrene = 2.60E-6 EF for P-Dichlorobenzene = 9.41E-7 EF for Butane = 1.65E-3 EF for 1,3-Butadiene = 3.00E-6 EF for Acrylonitrile = 5.40E-6 EF for Toluene = 1.07E-5 EF for Pentane = 2.04E-3 EF for N-Hexane = 1.41E-3 EF for Propylene = 2.20E-5 EF for Anthracene = 1.63E-8 EF for Pyrene = 1.68E-7 EF for Dichloroethane = 1.48E-6 EF for Xylene = 1.16E-6 EF for Benzo[GHI]Perylene = 2.61E-7 EF for Benzo[E]Pyrene = 1.08E-7 EF for Indeno[1,2,3-CD]Pyrene = 6.14E-8 EF for Benzo[B]Fluoranthene = 5.34E-8 EF for Benzo[K]Fluoranthene = 2.54E-8 EF for Acenaphthylene = 1.38E-7 EF for Chrysene = 4.34E-8 EF for Formaldehyde = 6.78E-5 EF for Benzo[A]Pyrene = 7.49E-8 EF for Dibenz[A,H]Anthracene = 6.90E-9 EF for 3-Methylcholanthrene = 1.40E-9 EF for Benz(A)Anthracene = 3.54E-8 EF for Cyanide = 2.20E-4 EF for Benz[A]Anthracene,7,12-Dimethyl = 1.30E-9 EF for Carbon Monoxide = 2.39E-1 EF for Benzene = 8.16E-5 EF for Aluminum = 1.54E-5 EF for Lead = 3.92E-7 EF for Manganese = 2.98E-7 EF for Mercury = 2.04E-7 EF for Molybdenum = 8.63E-7 EF for Nickel = 1.65E-6 EF for Antimony = 6.60E-5 EF for Arsenic = 1.57E-7

			EF for Barium = 3.45E-6 EF for Beryllium = 9.40E-9 EF for Cadmium = 8.63E-7 EF for Chromium = 1.10E-6 EF for Cobalt = 6.59E-8 EF for Copper = 6.67E-7 EF for Vanadium = 1.80E-6 EF for Zinc = 1.57E-4 EF for Sulfur Dioxide = 4.71E-4 EF for Ethane = 2.43E-3 EF for Ethylene = 8.00E-5 EF for Methyl Chloride = 5.20E-8 EF for Hydrogen Cyanide = 3.20E-3 EF for Propane = 1.25E-3 EF for Acetonitrile = 2.40E-5 EF for Methylene Chloride = 1.60E-5 EF for Ammonia = 6.60E-3 EF for Selenium = 1.88E-8 EF for Methyl Ethyl Ketone = 2.80E-7 EF for Phenanthrene = 8.33E-8 EF for Fluorene = 7.02E-8 EF for 1,2,4-Triethylbenzene = 1.42E-7 EF for Naphthalene = 4.08E-6 EF for Naphthalene, 2-Methyl- = 1.88E-8 EF for NOx = 1.57E-1 EF for PM10 = 1.22E-2 EF for VOCs = 1.23E-2
MO004	106.262, 106.533	41479	Maintain a copy of Section 106.4, 106.533, and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Soil Bioremediation Operations are monitored for VOC emissions using the following equation in compliance with monitoring requirements in 30 TAC 106.533: VOLUME*SOIL DENSITY*TPH*VTPH*BTEX*TBTEX*(VBTEX/24)*744 Where Volume is measured by site operators who maintain a spreadsheet that is updated after each turn-in of soil, which is converted to cubic yards. The data is reported monthly to the Air Team for consumption data entry to be used in the above equation. Soil data is based on historic sampling: Soil Density is 1.037 TPH is 0.025% VTPH is 0.5% BTEX is 0.1% TBTEX is 0.35% VBTEX is 1.0%

MO006	106.262	76961	Maintain a copy of Section 106.4 and Section 106.262, including the effective dates of the these regulations at the time this PBR was claimed. Tanker truck purge operations are monitored for VOC emissions using the following equation: NUMBER OF TRUCKS*VOC CONTENT Where The number of trucks is recorded by DPW ENV. This team runs the facility and enters each tank type that goes through the purge facility into the consumption tracking database by type, date, and quantity. Conservative assumptions are made estimating the remaining fuel left to be cleaned. The VOC content is taken from F-24 MSDS
SC011	106.433	70014	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information

SC021	106.433	13851	Maintain a copy of Section 106.4 and Section 106.433, including the effective dates of these regulations at the time this PBR was claimed. Surface coating operations are monitored for PM, VOCs, Methyl Isobutyl Ketone, and Xylene using the following equations, respectively: CONSUMPTION*DENSITY*(PCT SOLIDS/100)*(1-TRANS EFF/100)*(1-FO/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE); or CONSUMPTION*DENSITY*INGREDIENT PCT (AVERAGE)*(1-TRANS EFF/100)*(1-FO/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density is taken from chemical MSDS Percent solids are based on chemical MSDS Transfer Efficiency is assumed to be 0 Fallout Factor is assumed to be 0 VOC Content is calculated using mass balance Average ingredient percentages are based on MSDS Information

ST003A	106.412	24583	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%
SU001	106.454	50528	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

SU003	106.261	52124	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO79	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO80	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO81	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO82	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO83	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO84	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO85	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO86	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO87	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO88	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ARO89	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

ARO90	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS

EC002	106.183	09/04/2000	Maintain a copy of Section 106.4 and Section 106.183, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for NOx, HAPs, and VOCs to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). In accordance with Rule 106.183, records of hours of fuel oil firing and fuel oil purchases are kept. Compliance will be/has been shown via a natural gas meter on the unit. The temperature setpoint is set and observed by the source operator. The natural gas meter is read monthly during operations, and emissions are then calculated using the equation described herein. The calculation formula for emissions is either: Natural Gas Consumption * Emission Factor, or Hours of Operation*Capacity/Heat Content of Natural Gas * Emission Factor, Where: Heat Content of Natural Gas is 1,030 Btu per cubic foot, Natural Gas Consumption is monitored via a natural gas meter on the unit, Emission Factors are in lbs/MM ft^3 and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 2-3 and 2-5: EF for Ethylbenzene = 0.0069 EF for P-Dichlorobenzene = 0.0012 EF for Acrolein = 0.0027 EF for Toluene = 0.0265 EF for N-Hexane = 0.0046 EF for Anthracene = 2.40E-6 EF for Pyrene = 5.0E-6 EF for Benzo(GHI)Perylene = 1.6E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.8E-6 EF for Benzo[B]Fluoranthene = 1.8E-6 EF for Fluoranthene = 3.0E-6 EF for Benzo[K]Fluoranthene = 1.8E-6 EF for Ancenaphthylene = 1.8E-6 EF for Chrysene = 1.8E-6 EF for Formaldehyde = 0.075 EF for Benzo[A]Pyrene = 1.6E-6 EF for Dibenz[A,H]Anthracene = 1.6E-6 EF for 3-Methylcholanthrene = 1.8E-6 EF for Benz[A]Anthracene = 1.8E-6 EF for Benz[A]Anthracene, 7, 12-Dimethyl = 1.6E-5 EF for Carbon Monoxide = 84 EF for Benzene = 5.8E-3 EF for Lead = 5.0E-4 EF for Manganese = 3.8E-4 EF for Mercury = 2.6E-4 EF for Nickel = 2.1E-3 EF for Arsenic = 2.0E-4

			EF for Beryllium = 1.2E-5 EF for Cadmium = 1.1E-3 EF for Chromium = 1.4E-3 EF for Cobalt = 8.4E-5 EF for Acetaldehyde = 3.1E-3 EF for Selenium = 2.4E-5 EF for Acenaphthene = 1.8E-6 EF for Phenanthrene = 1.7E-5 EF for Fluorene = 2.8E-6 EF for Naphthalene = 3.0E-4 EF for Naphthalene, 2-Methyl = 2.4E-5 EF for NOx = 100 EF for Total PM, PM2.5, and PM10 = 7.6 EF for SOx = 0.6 EF for Total VOCs = 5.5
FS011A	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011B	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011C	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS011	106.412	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS018	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS019	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS020	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS021	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

FS022	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Fuel gallons remaining after tanker drainage are tracked along with number of tanks. Emission factor values are determined using a gasoline to jet fuel ratio for vaport pressure and density. Gasoline vapor HAP speciation is based on information contained in the Speciate v. 3.2 and Tanks v. 4.0: Actual VOC Emissions = Total Volatized Fuel (Gallons) * VOC Density * Control Efficiency Where Total Volatized Fuel is conservatively estimated at 25% VOC Density = 8 lbs/gal (Density of JP-8 Fuel) Control Efficiency = 95% (As reported in PBR documentation) And Individual HAPs Emissions = Total Actual VOC Emissions * % Speciation Where Benzene = 0.9423% Cumene = 0.2247% Ethylbenzene = 0.4212% Hexane = 0.8312% Isooctane = 0.0147% Naphthalene = 0.013% Toluene = 1.6429% Xylenes = 3.7247% Total Volatile HAPs = 7.8147%

IC001-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-22	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-30	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-36	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-43	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-44	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-46	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-47	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-48	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-49	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-53	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-55	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-60	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-61	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-62	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC001-66	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-67	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-69	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-70		106.511	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-71	09/04/2000	106.511	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-72	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-74	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-75	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-76	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-77	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-78	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-79	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-81	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-83	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-84	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-87	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-88	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 1.49E-4 EF for Acrolein = 3.52E-4 EF for Toluene = 1.56E-3 EF for Anthracene = 7.12E-6 EF for Pyrene = 1.82E-5 EF for Xylene = 1.09E-3 EF for Benzo[GHI]Perylene = 1.86E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.43E-6 EF for Benzo[B]Fluoranthene = 3.78E-7 EF for Fluoranthene = 2.90E-5 EF for Benzo[K]Fluoranthene = 5.90E-7 EF for Ancenaphthylene = 1.93E-5 EF for Chrysene = 1.34E-6 EF for Formaldehyde = 4.50E-3 EF for Benzo[A]Pyrene = 7.16E-7 EF for Dibenz[A,H]Anthracene = 2.22E-6 EF for Benz[A]Anthracene = 6.40E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 3.55E-3 EF for Acetaldehyde = 2.92E-3 EF for Acenaphthene = 5.41E-6 EF for Phenanthrene = 1.12E-4 EF for Fluorene = 1.11E-4 EF for Naphthalene = 3.23E-4 EF for NOx = 6.16 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 4.81E-1

IC001-9	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC002-10	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-11	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-12	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC002-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines 1200 ≤ hp ≤ 3000: EF for Acrolein = 2.10E-5 EF for Toluene = 7.49E-4 EF for Anthracene = 3.28E-6 EF for Pyrene = 9.89E-6 EF for Xylene = 5.15E-4 EF for Benzo[GHI]Perylene = 1.48E-6 EF for Indeno[1,2,3-CD]Pyrene = 1.10E-6 EF for Benzo[B]Fluoranthene = 2.96E-6 EF for Fluoranthene = 1.07E-5 EF for Benzo[K]Fluoranthene = 5.81E-7 EF for Ancenaphthylene = 2.46E-5 EF for Chrysene = 4.08E-6 EF for Formaldehyde = 2.10E-4 EF for Benzo[A]Pyrene = 6.85E-7 EF for Dibenz[A,H]Anthracene = 9.22E-7 EF for Benz[A]Anthracene = 1.66E-6 EF for Carbon Monoxide = 5.73 EF for Benzene = 2.07E-3 EF for Acetaldehyde = 6.72E-5 EF for Acenaphthene = 1.25E-5 EF for Phenanthrene = 1.09E-4 EF for Fluorene = 3.41E-5 EF for Naphthalene = 3.47E-3 EF for NOx = 10.3 EF for PM, PM10, and PM2.5 = 3.31E-1 EF for SOx = 1.26E-2 EF for VOCs = 2.86E-1

IC002-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

~~IC001-54~~ IC002-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines > 600 hp: EF for Acrolein = 6.37E-5 EF for Toluene = 2.27E-3 EF for Anthracene = 9.95E-6 EF for Pyrene = 3.00E-5 EF for Xylene = 1.56E-3 EF for Benzo[GHI]Perylene = 4.50E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.35E-6 EF for Benzo[B]Fluoranthene = 8.98E-6 EF for Fluoranthene = 3.26E-5 EF for Benzo[K]Fluoranthene = 1.76E-6 EF for Ancenaphthylene = 7.47E-5 EF for Chrysene = 1.24E-5 EF for Formaldehyde = 6.38E-4 EF for Benzo[A]Pyrene = 2.08E-6 EF for Dibenz[A,H]Anthracene = 2.80E-6 EF for Benz[A]Anthracene = 5.03E-6 EF for Carbon Monoxide = 6.88 EF for Benzene = 6.28E-3 EF for Acetaldehyde = 2.04E-4 EF for Acenaphthene = 3.79E-5 EF for Phenanthrene = 3.30E-4 EF for Fluorene = 1.04E-4 EF for Naphthalene = 1.05E-3 EF for NOx = 25.9 EF for PM, PM10, and PM2.5 = 8.09E-1 EF for SOx = 1.26E-2 EF for VOCs = 7.16E-1

IC003-13	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-3, 3-6, and 3-7 for engines ≤ 600 hp: EF for 1,3-Butadiene = 3.16E-4 EF for Acrolein = 7.48E-4 EF for Toluene = 3.31E-3 EF for Anthracene = 1.51E-5 EF for Pyrene = 3.87E-5 EF for Xylene = 2.31E-3 EF for Benzo[GHI]Perylene = 3.96E-6 EF for Indeno[1,2,3-CD]Pyrene = 3.03E-6 EF for Benzo[B]Fluoranthene = 8.02E-7 EF for Fluoranthene = 6.16E-5 EF for Benzo[K]Fluoranthene = 1.25E-6 EF for Ancenaphthylene = 4.09E-5 EF for Chrysene = 2.86E-6 EF for Formaldehyde = 9.55E-3 EF for Benzo[A]Pyrene = 1.52E-6 EF for Dibenz[A,H]Anthracene = 4.72E-6 EF for Benz[A]Anthracene = 1.36E-5 EF for Carbon Monoxide = 7.685 EF for Benzene = 7.55E-3 EF for Acetaldehyde = 6.2E-3 EF for Acenaphthene = 1.15E-5 EF for Phenanthrene = 2.38E-4 EF for Fluorene = 2.36E-4 EF for Naphthalene = 6.86E-4 EF for NOx = 35.7 EF for PM10 = 2.51 EF for PM2.5 = 2.51 EF for SOx = 1.26E-2 EF for VOCs = 2.79

IC003-14	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-16	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-17	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-18	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-19	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-20	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-21	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

~~IC003-22~~ IC-DF90140	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-24	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-25	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-26	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-27	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC003-4	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lb*1000/hp-hr and sourced from AIR EMISSIONS GUIDE FOR AIR FORCE STATIONARY SOURCES; June 2021; Tables 3-8, 3-10 for 4-stroke rich burn units: EF for Ethylbenzene = 1.95E-4 EF for Styrene = 9.35E-5 EF for Ethylene Dibromide = 1.67E-4 EF for 1,3-Butadiene = 5.21E-3 EF for Acrolein = 2.07E-2 EF for Ethylene Dichloride = 8.88E-5 EF for Toluene = 4.38E-3 EF for Chlorobenzene = 1.01E-4 EF for Xylene = 1.53E-3 EF for Formaldehyde = 1.61E-1 EF for 1,3-Dichloropropene = 9.98E-5 EF for Carbon Tetrachloride = 1.39E-4 EF for Carbon Monoxide = 27.6 EF for Methanol = 2.40E-2 EF for Chloroform = 1.08E-4 EF for Benzene = 1.24E-2 EF for Vinyl Chloride = 5.64E-5 EF for Acetaldehyde = 2.19E-2 EF for Methylene Chloride = 3.24E-4 EF for 1,1-Dichloroethane = 8.88E-5 EF for Dichloropropane = 1.02E-4 EF for 1,1,2-Trichloroethane = 1.20E-4 EF for Tetrachloroethane = 1.99E-4 EF for Naphthalene = 7.63E-4 EF for NOx = 17.8 EF for PM, PM10, and PM2.5 = 7.47E-2 EF for SOx = 4.62E-3 EF for VOCs = 2.33E-1

IC004-1	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-2	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-3	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-5	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-6	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-7	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

IC004-8	106.511	09/04/2000	Maintain a copy of Section 106.4 and Section 106.511, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: Horsepower Hours * Emission Factor / 1000 Where Horsepower hours for each engine are given in manufacturers specifications; Emission factors are reported in lbs/Mhp-hr and sourced from either: [1] South Coast Air Quality Management District AB 2588 Quadrennial Air Toxic Emissions Inventory Reporting Procedures – AER Program, Table B-3: Default EF for LPG, Butane, or Propane Combustion (lb/1000 gal); or [2] San Joaquin Valley Unified Air Pollution Control District Guidelines for Expedited Application Review Emergency Internal Combustion Engines EF for Ethylbenzene = 1.87E-4 [1] EF for Styrene = 9.02E-5 [1] EF for Ethylene Dibromide = 1.61E-4 [1] EF for 1,3-Butadiene = 5.01E-3 [1] EF for Acrolein = 1.99E-2 [1] EF for Ethylene Dichloride = 8.52E-5 [1] EF for Toluene = 4.21E-3 [1] EF for Xylene = 1.47E-3 [1] EF for Formaldehyde = 1.55E-1 [1] EF for 1,3-Dichloropropene = 9.60E-5 [1] EF for Carbon Tetrachloride = 1.61E-4 [1] EF for Carbon Monoxide = 22.8 [2] EF for Methanol = 2.31E-2 [1] EF for Chloroform = 1.04E-4 [1] EF for Benzene = 1.19E-2 [1] EF for Vinyl Chloride = 5.43E-5 [1] EF for Acetaldehyde = 2.10E-2 [1] EF for Methylene Chloride = 3.11E-4 [1] EF for Ammonia = 2.50E-2 [1] EF for Dichloropropane = 9.85E-5 [1] EF for 1,1,2-Trichloroethane = 1.15E-4 [1] EF for Tetrachloroethane = 1.91E-4 [1] EF for Naphthalene = 7.34E-4 [1] EF for NOx = 24.2 [2] EF for PM, PM10, and PM2.5 = 4.17E-1 [2] EF for SOx = 2.92E-2 [2] EF for VOCs = 1.90 [2]

LR002	106.472	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for each of the following pollutants: NOx, CO, VOC, SO2, PM, PM10, PM2.5, and hazardous air pollutants (all other air contaminants except water, nitrogen, ethane, hydrogen, oxygen, and GHGs) to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The emissions certification (APD-CERT form) documents how actual emissions from internal combustion and external combustion units are quantified and summed. The calculation formula for unit emissions is: (FUEL THROUGHPUT/1000) * (12.46*((Emission Factor * VAPORPRESSURE * MOLECULARWEIGHT) / (FUELTEMPERATURE + 460))) Where Diesel fuel throughput for this unit is tracked; Vapor Pressure is 0.0074 psia; Molecular Weight is 130 lb/lb-mol as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-6 “Fuel Properties,” Vapor Molecular Weight; Fuel Temperature is 67 deg. F; Emission factors are reported in lbs/MGal and are based on weight percentages in diesel fuel as reported in the Air Emissions Guide for Air Force Stationary Sources, June 2021, Table 6-5 “HAP Speciation of Fuels Commonly Used at USAF Installations,” Diesel Fuel, Vapor Phase: EF for Ethylbenzene = 1.86E-3 EF for Toluene = 1.38E-2 EF for N-Hexane = 2.39E-4 EF for Anthracene = 3.00E-10 EF for Pyrene = 3.00E-9 EF for Dibenzofuran = 7.56E-7 EF for Xylene = 4.31E-2 EF for Benzene = 1.18E-3 EF for Phenanthrene = 7.26E-8 EF for Fluorene = 3.29E-7 EF for Naphthalene = 1.29E-3 EF for VOCs = 6.00E-1 (Fuel Loading – Volatile Organic Compounds)

SC015	106.433	03/14/1997	Maintain a copy of Section 106.4, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.433 (4), the surface coating operations under this PBR will abide by the following: (A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site; (B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site; (C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) - (9) of this section. In accordance with Section 106.433 (8), the following records will be kept: (A) material safety data sheets for all coating materials and solvents; (B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation; (C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories: (i) pounds per hour; (ii) pounds per day; (iii) pounds per week; and (iv) tons emitted from the site during the previous 12 monthis; (D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions. The calculation formulas for unit emissions are: CONSUMPTION*(PCT SOLIDS/100)*(1-TRANSFER EFFICIENCY/100)*EF; CONSUMPTION*DENSITY*(VOC CONTENT/100); CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*INGREDIENT PCT; CONSUMPTION*DENSITY*INGREDIENT PCT*(1-TRANSFER EFFICIENCY/100); or CONSUMPTION*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Percent solids, chemical density, and ingredient percentage are taken from chemical MSDS Transfer efficiency is either 30% or 65% based on the applicable coating application method's typical transfer efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Force Stationary Sources Emission factors are given as the fractional percentage to total PM as given in the June 2021 Air Emissions Guide for Air Force Stationary Sources, Equation 22-2 for solvent-based surface coatings: EF for PM = 1.00 EF for PM10 = 0.96 EF for PM2.5 = 0.925

ST005B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005E	106.472	03/14/1997	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST005I	106.412, 106.472	09/04/2000, 09/04/2000	Maintain a copy of Section 106.4, Section 106.472, and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006B	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST006D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST006E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007A	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007B	106.473	03/14/1997	Maintain a copy of Section 106.4 and Section 106.473, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007C	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007D	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007E	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007F	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST007G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008G	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008H	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008I	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008J	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008K	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008L	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008M	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008N	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008O	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008P	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008Q	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008S	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST008T	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008U	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008V	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST008W	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009D	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010A	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010B	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST010C	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
BLR36071-1/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-2/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
BLR36071-3/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.

BLR36071-4/EC001	106.183	09/04/2000	Maintain a copy of Section 106.4 and 106.183, including the effective dates of these regulations at the time this PBR was claimed. In accordance with 106.183, a rolling 24-month record of hours of fuel oil firing, fuel oil purchases, and documentation showing compliance with applicable rules will be kept. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. Annual fuel throughput is limited to values determined in the APD-CERT form (Submitted Sept. 2020) multiplied by the emission factor sets identified by fuel types with low NOx burners/flue gas recirculation. Annual PTE emissions are calculated using the Environmental Program Information Management System with Emission Factors, Calculations, and runtime hours and are reported in form APD-CERT as 6.35 TPY of NOx. A factor of 1.5 times the annual fuel throughouput is used for conservatism. The equation used to determine PTE in TPY is below: PTE = 1.5 * Maximum Annual Fuel Usage * Emission Factor * lb-to-ton Conversion Factor The emission factor used for natural gas firing is 100 lbs NOx/MMcf (AP-42 Section 1.4). The emission factor used for fuel oil combustion is 20 lbs NOx/Mgal (AP-42 Section 1.3). Maximum annual fuel usage for each boiler was obtained from site records.
ST009E	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST009F	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.472, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

WL001	106.227	09/04/2000	Maintain a copy of Section 106.4 and 106.227, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.227, the soldering, brazing, or welding operations under this PBR will not emit 0.6 tons per year or more of lead in addition to staying below the general PBR emissions limits of 106.4. The calculation formula for unit emissions is: (LBS WELDING ROD/1000) * Emission Factor Where Lbs. of welding rod data are obtained directly from the Army's supply system for welding rods. Data is procured and entered into the Environmental Program Management System as the amount used for the reporting period. Emission factors are reported in lb/Mlbs and sourced from Table 24-1 "Particulate and Inorganic HAP Emission Factors for Welding Operations" in the June 2021 Air Emissions Guide for Air Force stationary Sources: EF for Chromium Hexavalent Ion = 1.88 EF for Lead = 1.62E-1 EF for Manganese = 23.2 EF for Nickel = 1.71 EF for Chromium = 2.53 EF for Cobalt = 1.00E-3 EF for PM, PM10, and PM2.5 = 81.6
WW001	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW002	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1
WW003	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW004	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1

WW007	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

WW009	106.231 & 106.265	09/04/2000	No registration or recordkeeping is required under PBR 106.265. Maintain a copy of Section 106.4 and 106.231, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.231, a rolling 24-month archive of purchase receipts for total coatings, solvents, and stripping agents will be maintained. Calculations showing the process stays below general PBR emissions thresholds are carried out as described below. The calculation formula for woodworking unit emissions is: ((WASTE COLLECTED / (1-CONTROL EFFICIENCY)) - WASTE COLLECTED) * EMISSION FACTOR Where Waste collected is reported monthly by operators as waste sawdust generated. The Fort Hood Air Quality Team then inputs the waste generation date into the proper consumption process in the Environmental Program Information Management System for calculations, tracking, and reporting; Control Efficiency is 95% as stated in the PBR; Emission factors are reported as fractional concentrations of woodworking dusts per Table 26-1, General Woodworking, in the June 2021 Air Emissions Guide for Air Foce Stationary Sources: EF for PM = 1.00 EF for PM10 = 4.52E-1 EF for PM2.5 = 3.43E-1 The calculation formulas for adhering and sealing operations are: CONSUMPTION*DENSITY*PCT SOLIDS/100*(1-TRANSFER EFFICIENCY/100); CONSUMPTION*DENSITY*VOC CONTENT/100; or CONSUMPTION*DENSITY*INGREDIENT PCT Where Consumption is monitored by the Fort Hood Air Quality Team using the Environmental Program Information System, which is kept current by operator reporting; Density, percent solids, VOC content, and toluene ingredient percentage are derived from chemical MSDS; and The basis for transfer efficiency is the method of product application and the corresponding efficiency per Table 22-2 in the June 2021 Air Emissions Guide for Air Foce Stationary Sources.

HH001	106.265	09/04/2000	Maintain a copy of Section 106.4 and Section 106.265, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The follow equation is used to determine emissions: Hours of machine operation * Emission Factor Where Hours of operation are tracked by operators Emission factor is reported in lbs/hr and is sourced from HILL AFB AO DAQE-AN101210259-18 NOI JULY 30, 2021: EF for PM, PM 10, and PM2.5 = 0.3
CT002	106.371	09/04/2000	Maintain a copy of Section 106.4 and Section 106.371, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of facility-wide actual emissions for PM2.5 and PM10 to demonstrate actual emissions are less than the thresholds listed in Section 106.4 (a)(1). The following calculation equation to determine emissions is carried out monthly, and results are documented: NUMBER OF DAYS*WATER FLOW RATE*0.001*TOTAL LIQUID DRIFT FACTOR*DISSOLVED SOLIDS*0.000001*EMISSION FACTOR Where: Number of Days (e.g. Operation Time) and Water Flow Rate are monitored using conservative assumptions or tracked by source operators Total Liquid Drift Factor = 1.7 lb/10^3 gal (AP-42 Ch. 13, Table 13.4-1) Emission factors are reported as fractional concentrations in lb/lbs of total PM as reported in Section 25.3 of the June 2021 Air Emissions Guide for Air Force Stationary Sources: Emission Factor for PM2.5 = 0.42 Emission Factor for PM10 = 0.7 Dissolved Solids are assumed to be 12000 ppm based on the August 2018 Air Emissions Guide for Air Force Stationary Sources, Equation 25-1
ST012	106.412	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

SP001	106.418	11/26/1997	Emissions for these Screen Printing operations are tracked as Process ID SC015 (Surface Coating). Maintain a copy of Section 106.4 and Section 106.418, including the effective dates of the these regulations at the time this PBR was claimed. In accordance with Section 106.8, maintain records of the 12-month rolling totals of applicable facility-wide actual emissions. The following equation is used to determine emissions: CONSUMPTION*DENSITY*(VOC CONTENT/100) Where Consumption is tracked by source operators who provide consumption records. Material balance from the supply system is also used to track. Density and VOC Content are taken from chemical MSDS
ARO00	106.433	09/04/2000	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
SU002	106.454	03/14/1997	Maintain a copy of Section 106.4 and Section 106.454, including the effective dates of these regulations at the time this PBR was claimed. VOC emissions for degreasing operations are calculated monthly using the following equation: CONSUMPTION*DENSITY*VOC CONTENT/100 Where Consumption is monitored by operators who record usage during cold solvent machine refilling. Density is taken from chemical MSDS VOC content is taken from chemical MSDS
ST014	106.472	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.
ST016	106.473	09/04/2000	Maintain a copy of Section 106.4 and Section 106.412, including the effective dates of these regulations at the time this PBR was claimed. PTE annual fuel throughput for this unit is estimated at 1.5 times the annual fuel throughput. Annual PTE emissions are calculated using the Environmental Program Management System with Emission Factors, Calculations, and Runtime hours. Use of either ACAM or APIMS is standard for calculating PTE from Storage Tanks. Both emissions estimation procedures are based upon Chapter 7 of AP-42.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA

Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ❑ NO

I. Application Type

Indicate the type of application:

☒Renewal ❑ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

❑ Significant Revision ❑ Revision Requesting Prior Approval ❑ Administrative Revision ❑ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	☒ YES ❑ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	☐ YES ❑ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ❑ NO ❑ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	Yes	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117,

						therefore it is an off-permit source, per OP-UA6 instructions.
12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input

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						capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are removed in this revision. This

						negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII

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33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	Add unit to permit.
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.

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44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

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56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

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71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.

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85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	IC001-82	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.

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101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has no associated units with it and does not need to exist in the permit anymore.

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113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140 as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117						LEFT INTENTIONALLY BLANK
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E,

						Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.

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127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR

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						63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986, 107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
136	SIG-A	No	SU002	OP-UA57	80/12/01/1972, 80/09/17/1973, 80/09/23/1982, 70/11/25/1985, 70/11/05/1986, 70/07/20/1992, 124/05/04/1994, 41/06/07/1996, 70/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
137	SIG-E	No	WW002	OP-REQ2	106.231/09/04/2000	Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-ENGINE8 now has no associated units with it, and does not need to exist in the permit anymore.
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15 now has no associated units with it, and does not need to exist in the permit anymore.

Date:			1/19/2022			
Permit No.:			**O1659**			
Regulated Entity No.:			**RN101612083**			
Company Name:			**US Department of the Army**			
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop
153	ADMIN-D	No	CT001, EC002, ET001, ET003, IC001-14, IC001-16, IC001-5, IC001-51, IC001-56, , IC001-65, IC001-68, IC001-8, IC001-82, IC001-85, IC001-86, IC002-1, IC002-15, IC002-3, IC002-4, IC002-5, IC002-6, IC002-7, IC002-8, IC002-9, IC003-10, IC003-11, IC003-1, IC003-5, IC003-6, IC003-7, IC003-8, IC003-9, MO011, MO004, MO006, SC011, SC016, SC021, ST001A, ST001B, ST001C, ST002A, ST003A, SU001, SU003, ARO10A, ARO10B, ARO16A, ARO16B, ARO17A, ARO17B, ARO18A, ARO18B, ARO19A, ARO19B, ARO1A, ARO1B, ARO20A, ARO20B, ARO21A, ARO21B, ARO25A, ARO25B, ARO26A, ARO26B, ARO28, ARO29, ARO2A, ARO2B, ARO30, ARO31, ARO32, ARO33, ARO34, ARO35, ARO36, ARO37, ARO38, ARO39, ARO3A, ARO3B, ARO42, ARO43A, ARO43B, ARO44A, ARO44B, ARO45A, ARO45B, ARO46A, ARO46B, ARO47A, ARO47B, ARO48A, ARO48B, ARO49A, ARO49B, ARO4A, ARO4B, ARO5A, ARO5B, ARO65, ARO66, ARO67, ARO68, ARO69, ARO6A, ARO6B, ARO70, ARO71, ARO72, ARO73, ARO74, ARO75, ARO76, ARO77, ARO78, ARO79, ARO7A, ARO7B,	OP-PBRSUP	106.371, 106.495, 106.263, 106.263, 106.511, 106.262, 106.262, 106.533, 106.262, 106.433, 113, 106.433, 51, 51, 51, 51, 106.412, 106.454, 106.261, 80, 80, 70, 70, 70, 70, 70, 70, 70, 70, 124, 70, 70, 70, 70, 70, 80, 80, 80, 80, 107, 107, 124, 70, 41, 46, 107, 41, 107, 46, 107, 107, 107, 107, 124, 80, 107, 70, 70, 70, 70, 124, 124, 124, 124, 70, 70, 70, 70, 124, 124, 124, 70, 124, 80, 70, 70, 70, 41, 41, 80, 80, 41, 41, 41,	Adding PBR Registration Numbers to PBRs.

			ARO80, ARO81, ARO82, ARO83, ARO84, ARO85, ARO86, ARO87, ARO88, ARO89, ARO8A, ARO8B, ARO90, EC002, COMPREP, FS011A, FS011B, FS011C, FS011, FS018A, FS018, FS019A, FS019, FS020, FS021, FS022, IC001-10, IC001-13, IC001-18, IC001-21, IC001-22, IC001-24, IC001-25, IC001-30, IC001-36, IC001-43, IC001-44, IC001-46, IC001-47, IC001-48, IC001-49, IC001-53, IC001-55, IC001-60, IC001-61, IC001-62, IC001-66, IC001-67, IC001-69, IC001-70, IC001-71, IC001-72, IC001-74, IC001-75, IC001-76, IC001-77, IC001-78, IC001-79, IC001-81, IC001-83, IC001-84, IC001-87, IC001-88, IC001-9, IC002-6, IC002-10, IC002-11, IC002-12, IC002-13, IC002-14, IC002-16, IC002-17, ~~IC001-54~~ IC002-18, IC003-13, IC003-14, IC003-16, IC003-17, IC003-18, IC003-19, IC003-20, IC003-21, ~~IC003-22~~ IC-DF90140, IC003-24, IC003-25, IC003-26, IC003-27, IC003-4, IC004-1, IC004-2, IC004-3, IC004-5, IC004-6, IC004-7, LR001, LR002, LR003, SC015, ST004A, ST004B, ST005A, ST005B, ST005C, ST005E, ST005F, ST005G, ST005I, ST006A, ST006B, ST006C, ST006D, ST006E, ST007A, ST007B, ST007C, ST007D, ST007E, ST007F, ST007G, ST008A, ST008B, ST008C, ST008D, ST008E, ST008F, ST008G, ST008H, ST008I, ST008J, ST008K, ST008L, ST008M, ST008N, ST008O, ST008P, ST008Q, ST008S, ST008T, ST008U, ST008V, ST008W, ST009A, ST009B, ST009C, ST009D, ST009E, ST009F, ST010A, ST010B, ST010C, WL001, WW001, WW002, WW003, WW004, WW007, WW009, BLR36071-1/EC001, BLR36071-2/EC001, BLR36071-3/EC001, BLR36071-4/EC001, HH001, CT002, ST012, ST014, ST016, SP001, AP001, SU002, ST013, ST014, ST015, ST016		41, 41, 41, 41, 41, 41, 106.454, 80, 80, 106.454, 106.454, 106.454, 106.454, 106.454, 106.454, 106.454, 106.454, 106.454, 106.454, 106.454, 70, 70, 106.454, 106.183, 113, 106.472, 106.472, 106.472, 106.412, 51, 106.412, 106.472, 106.412, 106.412, 106.412, 106.412, 106.412, 106.511, 106.511, 106.511

					106.412, 106.412, 106.473, 106.412, 106.412, 106.412, 106.412, 106.412, 106.472, 106.472, 106.472, 106.472, 106.472, 106.412, 106.472, 106.227, 106.231 & 106.265, 106.231 & 106.265, 106.231 & 106.265, 106.231 & 106.265, 106.231 & 106.265, 106.231 & 106.265, 106.231 & 106.265, 106.183, 106.183, 106.183, 106.183, 106.265, 106.371, 106.412, 106.472, 106.473, 106.418, 106.433, 106.454, 106.472, 106.472, 106.473, 106.473	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?		☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required:	Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision		☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

From: John Walker
Sent: Wednesday, October 19, 2022 8:23 AM
To: Will Calderon
Cc: Tim Plander; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA)
Subject: RE: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood

Good Morning,

The new due date is **Friday, November 18th, 2022.**

Please note that management has informed me that you will not be able to request another extension on this request for information.

Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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---

From: Will Calderon <wcalderon@olsson.com>
Sent: Tuesday, October 18, 2022 3:46 PM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Tim Plander <tplander@olsson.com>; Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>
Subject: FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood

Good afternoon Mr. Walker,

Thank you again for clarifying some of the information requirements for form OP-PBRSUP in our correspondence last week. On behalf of Ft. Hood, I would like to request an extension on providing the completed OP-PBRSUP, OP-2, and OP-SUMR forms until Friday, November 18th. This will allow for needed additional time to compile the emissions monitoring and compliance information for all relevant pollutants from registered PBR equipment into OP-PBRSUP.

Thank you,

Will Calderon, EI, MS
(He, Him, His)
Environmental

C 402.515.8539

2111 S. 67th Street, Suite 200
Omaha, NE 68106
O 402.341.1116

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From: Tim Plander <tplander@olsson.com>
Sent: Monday, October 3, 2022 12:06 PM
To: John Walker; Elizabeth Moorhead
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA); Clark, Michael N CIV USARMY ID-READINESS (USA); Curtis Hodges
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good afternoon, Ms. Moorhead and Mr. Walker.

Olsson will email a Teams call invitation for 2:30 PM on Thursday, October 6th.

The invitation will have a call-in option and a video conference option.

Thank you,

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

601 P Street, Suite 200
Lincoln, NE 68508
O 402.474.6311

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From: John Walker <John.Walker@tceq.texas.gov>
Sent: Friday, September 30, 2022 2:31 PM
To: Tim Plander <tplander@olsson.com>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Curtis Hodges <curtis.hodges@vetseg.com>
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Afternoon,

I relayed your request to my Team Leader, Elizabeth Moorhead (elizabeth.moorhead@tceq.texas.gov).

She would also like to attend this conference call.

Can we schedule the meeting for 2:30 PM on Thursday, October 6th?

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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---

From: Tim Plander <tplander@olsson.com>
Sent: Friday, September 30, 2022 12:51 PM
To: John Walker <John.Walker@tceq.texas.gov>
Cc: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>; Young, Riki G CIV USARMY ID-READINESS (USA) <riki.g.young.civ@army.mil>; Clark, Michael N CIV USARMY ID-READINESS (USA) <michael.n.clark.civ@army.mil>; Curtis Hodges <curtis.hodges@vetseg.com>
Subject: RE: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good afternoon, John.

On behalf of Fort Hood, U.S. Army, and Veterans Environmental Group, I would like to schedule a conference call to discuss the information collected to-date to address the information requested in your September 9th email referenced below.

Fort Hood is currently collecting information to respond to this request. This intent of the conference call is to confirm the draft response is on the “right track” to properly identify the required elements of the requested forms.

I can email a Teams call invitation with both phone-in and video conferencing capabilities based on your availability for a call during the week of October 3rd.

Please know which days and times during the week of October 3rd you will be available for a call.

Robert Kennedy at Fort Hood is planning to attend the call on behalf of the Fort Hood team.

Curtis Hodges from Veterans Environmental Group might attend the call depending on his availability.

I will attend. Will Calderon from Olsson might also attend the call.

Thank you,

Tim

Tim Plander, MBA
Senior Scientist / Air Quality

C 402.310.5685

601 P Street, Suite 200
Lincoln, NE 68508
O 402.474.6311

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From: John Walker
Sent: Wednesday, September 21, 2022 8:20 AM
To: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA); Young, Riki G CIV USARMY ID-READINESS (USA)
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA)
Subject: RE: [URL Verdict: Neutral][Non-DoD Source] Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Morning,

I have extended the due date for the information I requested on 09/09/2022 to **10/24/2022.**

If you have any questions, please contact me.

Thank you for your cooperation.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>
Sent: Tuesday, September 20, 2022 8:25 AM
To: John Walker; Young, Riki G CIV USARMY ID-READINESS (USA)
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA)
Subject: RE: [URL Verdict: Neutral][Non-DoD Source] Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning Mr. Walker! We are in a support contract switchover at the moment. The consultant who assisted us with preparing our permit renewal application is in negotiations with our new support contractor to assist with follow-on permit work. As such, would it be possible to get a 30-day extension on preparing the new documentation and revisions to submit back to you while they negotiate?

Very respectfully,

Robert Kennedy
Air Quality & Operational Noise Program Manager
U. S. Army Garrison-Fort Hood
DPW, Environmental Division (AMIM-HDP-E)
4622 Engineer Dr.
Fort Hood, TX 76544

Comm: (254) 287-8714
DSN: 737-8714
Work Cell: (254) 319-1952
Fax: (254) 287-3591

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Fort Hood Air Quality Program

Today's Waco-Killeen Air Quality Forecast

From: John Walker
Sent: Friday, September 9, 2022 2:53 PM
To: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA)
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA)
Subject: RE: [URL Verdict: Neutral][Non-DoD Source] Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Afternoon,

I am currently reviewing the renewal application for FOP O1659/Project 33269 U.S. Department of the Army, Fort Hood. Please provide the following updates as soon as possible but no later than **09/23/2022:**

1. Please submit Form OP-PBRSUP to provide supplemental information for all Permits by Rule (PBRs) that authorize emission units for the site (or area) subject to the requirements of the Federal Operating Permit (FOP) Program.

   Please ensure the monitoring for all items on Table A and B of Form OP-PBRSUP have their monitoring identified on Table D.

   PBR Registration Nos. found on Table A need to be added to their respective unit's authorized PBR. Please provide or update revisions on Forms OP-2 Table 2 and OP-SUMR to state you are adding PBR Registration Nos. to PBRs. Please follow the guidance found on page 2 and 3 of the Form OP-SUMR Instructions to ensure that the PBR and PBR Registration No. are formatted correctly. You can find the Form OP-SUMR Instructions at the following link:

   https://www.tceq.texas.gov/assets/public/permitting/air/Forms/Title_V/Administrative/10344.pdf

Note that a Certification by the Responsible Official (Form OP-CRO1) for any uncertified application updates is required to be submitted once all items have been reviewed and resolved, I will request the form at a later time. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation. Please let me know if you have any questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087

Phone: (512) 239-1277

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From: John Walker
Sent: Wednesday, July 20, 2022 11:37 AM
To: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA)
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA)
Subject: RE: [URL Verdict: Neutral][Non-DoD Source] Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Morning,

I did a preliminary review a few weeks ago and did not notice anything. I hope to start a more in depth review next week and will notify you as soon as possible if anything else is required.

Please let me know if you have questions.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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From: Kennedy, Robert L Jr CIV USARMY ID-READINESS (USA) <robert.l.kennedy112.civ@army.mil>
Sent: Wednesday, July 20, 2022 9:37 AM
To: John Walker
Cc: Clark, Michael N CIV USARMY ID-READINESS (USA)
Subject: RE: [URL Verdict: Neutral][Non-DoD Source] Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good morning Mr. Walker! I hope all is well. I wanted to check with you to see there is anything else required from us during the technical review process for our Title V permit renewal at this time?

Very respectfully,

Robert Kennedy
Air Quality & Operational Noise Program Manager
U. S. Army Garrison-Fort Hood
DPW, Environmental Division (AMIM-HDP-E)
4622 Engineer Dr.
Fort Hood, TX 76544

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Fort Hood Air Quality Program

Today's Waco-Killeen Air Quality Forecast

From: John Walker
Sent: Friday, February 25, 2022 4:44 PM
To: robert.l.kennedy112.civ@army.mil
Subject: Technical Review - FOP O1659/Project 33269 U.S. Department of the Army/Fort Hood

Good Afternoon,

I have been assigned to the Federal Operating Permit (FOP) renewal application for U.S. Department of the Army, Fort Hood. This application for renewal of Permit No. O1659 has been assigned Project No. 33269. Please address all correspondence pertaining to this permit application, including updates, to me at the address below, and use the Permit and Project reference numbers above to facilitate tracking.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Sincerely,

John Walker
Permit Reviewer
OA/Air Permits Division/OP Section
Texas Commission on Environmental Quality
MC-163, P.O. Box 13087
Austin, TX 78711-3087
John.Walker@tceq.texas.gov

Phone: (512) 239-1277

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Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 2, 2022

THE HONORABLE DAWN BUCKINGHAM
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 33269
Permit Number: O1659
US Department of the Army
Fort Hood, U.s. Army
Killeen, Bell County
Regulated Entity Number: RN101612083
Customer Reference Number: CN600126262

Dear Senator Buckingham:

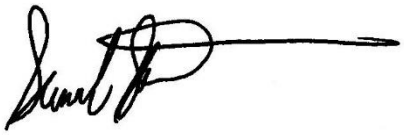
This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application.
http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=31.133333&lng=-97.6&zoom=13&type=r.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site. The FOP identifies and codifies air emission requirements (known as applicable requirements) that apply to the emission units at the site. The FOP does not authorize construction of emission units or emissions from those units. The New Source Review (NSR) permit is the mechanism for these authorizations.

Re: Accepted Federal Operating Permit Renewal Application

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,



Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 2, 2022

THE HONORABLE BRAD BUCKLEY
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 33269
Permit Number: O1659
US Department of the Army
Fort Hood, U.s. Army
Killeen, Bell County
Regulated Entity Number: RN101612083
Customer Reference Number: CN600126262

Dear Representative Buckley:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application.
http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=31.133333&lng=-97.6&zoom=13&type=r.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site.

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

TITLE V OPERATING PERMIT NO. 01659 SIGNIFICANT PERMIT RENEWAL

Prepared for:

U.S. Army Garrison-Fort Hood

Fort Hood, Texas

TCEQ Account Number BF-0129-I

January 2022

Olsson Project No. 021-08677

olsson

DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT HOOD
FORT HOOD, TEXAS 76544-5002

FEB 02 2022
APIRT

January 31, 2022

Environmental Programs

AIRPERMITSDIVISION
FEB 02 2022
RECEIVED

Ms. Jasmine Yuan
Office of Air
Texas Commission on Environmental Quality, MC-163
P.O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Federal Operating Permit Number O-01659 Renewal Application, for U. S. Army, HQ III Corps and Fort Hood, Account No. BF-0129-I, TCEQ Customer Reference No. CN600126262, and Regulated Entity No. RN101612083

Dear Ms. Yuan:

Enclosed is the required Form OP-CRO1, Certification by Responsible Official form, and permit renewal application for U. S. Army, III Corps and Fort Hood's site operating permit.

A copy of these documents has been forwarded to U.S. Environmental Protection Agency, Region VI, Compliance Assurance and Enforcement Division, MC 6EN-AA, 1445 Ross Avenue, Suite 1200, Dallas, Texas 75202-2733, as well as Mr. Jason Neumann, Air Section Manager, Texas Commission on Environmental Quality, Region 9, 6801 Sanger Ave., Ste. 2500, Waco Texas 76710-7826. If you have any questions or comments concerning the enclosed materials or any other related matter, please contact Mr. Robert Kennedy, Fort Hood Environmental Division, at 254-287-8714.

Sincerely,

YOUNG.RIKI.GERARD.1168835570 Digitally signed by YOUNG.RIKI.GERARD.1168835570 Date: 2022.01.31 10:11:18 -06'00'

Riki G. Young
Chief, Environmental Management Branch

Enclosures

TITLE V OPERATING PERMIT NO. 01659 SIGNIFICANT PERMIT RENEWAL

Prepared for:

U.S. Army Garrison-Fort Hood

Fort Hood, Texas

TCEQ Account Number BF-0129-I

January 2022

Olsson Project No. 021-08677

olsson®

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

9489 0090 0027 6003 4379 00

July 6, 2021

MR ROBERT KENNEDY
AIR QUALITY PROGRAM MANAGER
US DEPARTMENT OF THE ARMY
4612 ENGINEER DR, DPW, ENVIRONMENTAL DIVISIONIMHD-PWE
FORT HOOD TX 76544-5055

Re: Federal Operating Permit Renewal
Permit Number: O1659
Company Name: U.S. Department of the Army
Customer Reference Number: CN600126262
Regulated Entity Number: RN101612083

Dear Mr. Kennedy:

The renewal of the above-referenced site operating permit (SOP) is required every 5 years, as indicated in Title 30 Texas Administrative Code § 122.241(a) [30 TAC § 122.241(a)] or, more frequently if so indicated on the permit face. Accordingly, permit holders are required to submit *timely and complete* permit renewal applications as specified in 30 TAC § 122.241(b). Title 30 TAC § 122.134(a) indicates that an application is *complete* on the 61st day after receipt by the executive director, unless the executive director has requested additional information or otherwise notified the applicant of incompleteness. For an application to be *timely*, 30 TAC § 122.133(2) indicates that its submittal must occur between 6 and 18 months before the permit's expiration date. Our receipt of a timely and complete application allows you to operate under your SOP's current terms and conditions until final action is taken on your renewal application. Please disregard this notification letter if a renewal application has been submitted and is currently being processed.

The expiration of your permit is August 8, 2022; and any *complete* application received before February 4, 2022, will be considered timely. If your SOP expires without the submittal of a timely and complete renewal application, your right to operate the above-referenced facility will be terminated. The reinstatement of your right to operate will require your submittal, and our final approval, of a new and separate SOP application.)

A complete application for renewal must include all of the information required by 30 TAC Chapter 122 (see 30 TAC § 122.132). To comply with these requirements, please provide new versions of the following forms: Form OP-1 (Site Information Summary), Form OP-2 (Applications for Permit Revision/Renewal), Form OP-ACPS (Application Compliance Plan and Schedule), Form OP-REQ1 (Application Area-Wide Applicability Determinations and General Information), and Form OP-CRO1 (Certification by Responsible Official). In addition, please review all other forms that were previously submitted and provide any updated information necessary for processing of the SOP renewal (i.e. appropriate Unit Attribute forms, OP-REQ2, OP-REQ3, OP-MON, etc. Note that even though nothing may have changed at the site, updated Unit Attribute forms are required to be submitted if the most recent version of the TCEQ Unit Attribute form includes additional applicable questions or revised applicable option codes for any answer.). Title V permit holders with major New Source Review (NSR) permits must include in the Title V renewal application a Major NSR Summary Table. The Major NSR Summary Table must also be submitted electronically upon request. **Failure to submit all of the required forms may result in a determination that your renewal application is not complete.** If any

of your company's core data (i.e., name, address, phone number, etc.) has changed, a TCEQ Core Data form will be required with these submittals. All forms may be found at the TCEQ Web page at http://www.tceq.texas.gov/permitting/air/nav/tv_admin_forms.html.

As a reminder, you may void your SOP if you demonstrate that the permitted site is no longer subject to the Federal Operating Permits Program. If you wish to pursue voidance of your SOP, please notify us in writing to this effect and provide the supporting documentation required by 30 TAC § 122.161(e)(1).

Any application submitted by a person/entity who is delinquent on a fee and/or penalty will not be declared administratively complete until the fees/penalties are paid and/or current. Similarly, final action will be withheld by the agency on an application if it is discovered after the application is considered administratively complete that the owner/entity who submitted the application is delinquent on fees and/or penalties until such time as the fees/penalties are paid and/or current. You may visit the agency Web site for additional information at www.tceq.texas.gov/agency/financial/fees/delin/index.html.

Further information regarding the renewal process and required submissions may be accessed at http://www.tceq.texas.gov/permitting/air/guidance/titlev/tv_site_guidance.html. Please disregard this notice if you have already submitted the above-referenced renewal application. Thank you for your cooperation in this matter. If you have questions concerning the processing of your SOP renewal application, please contact Mr. Jesse Chacon at (512) 239-1570.

Sincerely,

Texas Commission on Environmental Quality

cc: TCEQ Regional Air Quality Manager, Region 9
TCEQ Air Permits Initial Review Team (MC-161)
TCEQ File Room (MC-198)

ACRONYMS AND ABBREVIATIONS

AB	Abrasive Blasting
ACP	Access Control Point
Army	Department of the Army
ADA	Air Defense Artillery
AMC	U.S. Army Material Command
AEI	Air Emissions Inventory
ALAPCO	Association of Local Air Pollution Control Officials
AP-42	Compilation of Air Pollution Emission Factors – Volume 1
APIMS	Air Program Information Management System
AST	Aboveground Storage Tank
Bldg.	Building
Btu/hr.	British Thermal Units Per Hour
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CUP	Central Utility Plant
DPTMS	Directorate of Plans, Training, Mobilization and Security
DPW	Director of Public Works
EC	External Combustion
EF	Emission Factor
EIQ	Emissions Inventory Questionnaire
ET	Engine Testing
EU	Emission Unit
FD	Fugitive Dust
FS	Fueling Station
gal	Gallons
GOVs	Government Owned Vehicles
GSE	Ground Support Equipment
HAHP	Hood Army Heliport
HAPs	Hazardous Air Pollutants
hp	Horsepower
HVLP	High-Volume, Low Pressure
IC	Internal Combustion
ID	Identification
JP-8	Jet Fuel
kW	Kilowatt
LR	Loading Rack
MMBtu/hr.	Million British Thermal Units Per Hour
MMcf	Million Cubic Feet

MO	Miscellaneous Operation
N/A	Not Applicable
NESHAP	National Emission Standards for Hazardous Air Pollutants
NSPS	National Society of Professional Surveyors
NFH	North Fort Hood
NOx	Nitrogen Oxides
PBR	Permit by Rule
PM	Particulate Matter
PM10	Particulate Matter (aerodynamic diameter less than or equal to 10 microns)
PM2.5	Particulate Matter (aerodynamic diameter less than or equal to 2.5 microns)
POV	Privately Owned Vehicle
ppmv	Parts Per Million by Volume
RGAAF	Robert Gray Army Airfield
RICE	Reciprocating Internal Combustion Engine
SC	Surface Coating
SER	Standard Exemption Registration
SK	Safety-Kleen Systems
SO2	Sulfur Dioxide
ST	Storage Tank
STAPPA	State and Territorial Air Pollution Program Administrators
STEERS	State of Texas Environmental Electronic Reporting System
SU	Solvent Usage
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
tpy	Tons Per Year
TSC	Training Services Center
US	United States of America
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
Wt. %	Weight Percent
WL	Welding
WW	Woodworking

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1. TITLE V COMPLIANCE REPORT & OPERATING PEMRIT RENEWAL

1.1 Introduction

In support to the Department of the Army (Army), Whitetail, was contracted to assist the Environmental Division's air quality program at Fort Hood, Texas with the preparation of the 2022 Title V Compliance and Operating Permit Renewal for submittal to the Texas Commission for Environmental Quality (TCEQ).

This report includes Title V Permit renewal revisions and Title V renewal submittal application documentation. The Title V Compliance report is broken up further into three (3) sections:

- Section 2.0 provides facility overview information
- Section 3.0 provides the revisions for 2017 Title V Permit Renewal
- Section 4.0 contains the TCEQ Title V Operating Permit renewal forms
- Appendix A – Title V Operating Permit No. O1659
- Appendix B – Source Calculations
- Appendix C – Process Flow Diagrams
- Appendix D – HDR Memo

1.2 Purpose of the Title V Permit Renewal

As per 30 Texas Administrative Code (TAC) Chapter 122.241, Fort Hood is submitting a permit renewal to TCEQ to fulfill the five (5) year renewal requirement and to reflect changes that have occurred, as well as create consistency with Fort Hood's Air Emissions Inventory (AEI) and their Emissions Inventory Questionnaire (EIQ).

2. FACILITY OVERVIEW

This section provides a facility overview including site location information that contributes to Title V Air Quality at Fort Hood. Information in this section includes:

- Site location information referencing location to major cities
- An overview of major units, and tenant organizations
- Fort Hood's major source pollutants
- An overview of the current military activities and operations
- An overview of the source categories at Fort Hood
- EU and process descriptions

2.1 Site Location

Fort Hood is located adjacent to the City of Killeen in central Texas within Bell and Coryell Counties and is between the Dallas-Fort Worth and San Antonio areas. The capital city of Austin is located approximately 60 miles to the south; Waco is located about 50 miles to the north and Dallas is about 125 miles northwest of Fort Hood.

Fort Hood is comprised of approximately 339 square miles of land, consists of three cantonment areas (Main Post, West Fort Hood, and North Fort Hood), two airfields, and several maneuver/live fire training areas. The Main Post cantonment area is located at the southern edge of the range training area. North Fort Hood cantonment is at the northern edge of the installation and West Fort Hood cantonment is located south of United States (US) Highway 190/Interstate 14 in the southern extremity of the reservation. The southeastern boundary of the installation lies adjacent to the City of Killeen.

2.2 Fort Hood Units, Tenant Organizations and Contractors

The primary support at Fort Hood is training and mobilization for the military units assigned to the facility. It is also a mobilization site for Army Reserve and National Guard units. The installation also provides services for a wide variety of tenant organizations and a diverse military community. It provides housing for military personnel and their families and facilities similar to those in a typical civilian community. These facilities include a hospital and health care, recreational amenities, retail services, restaurants, and a golf course.

2.3 Major Source Pollutants

Bell County, Texas is an attainment area so the TCEQ regulatory requirements are less stringent than those located in the Dallas Fort-Worth counties and areas. However, according to the data listed in TCEQ Form OP-2, due to its size and the nature of the work conducted on Fort Hood, the following pollutants are emitted at or above the major source thresholds:

- Volatile Organic Compounds (VOCs), Carbon Monoxide (CO) and

- Nitrogen Oxides (NOx).

The majority of Fort Hood EUs operate under one of the 120 TCEQ listed Permits by Rule (PBR) and do not exceed the potential to emit requirements for those operations.

Air quality operating permit form OP2 identifies each applicable PBR.

2.4 Title V Source Categories and Emission Unit (EU) Identifications (ID)

An emission unit (EU) is defined in Title 40, Part 70.2 of the Code of Federal Regulations (CFR) (40 CFR 70.2) as any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under Section 112(b) of the Clean Air Act Amendments of 1990.

EUs are identified in the Title V Permit O1659 by a two-character prefix based on their source category and is followed by a three-digit identification number that identifies each EU within a source category. These numbers are identified further in the Air Program Information Management System (APIMS) and are linked to the process IDs for the sources. The source categories associated with each two-character prefix are as follows:

- AB = Abrasive Blasting Operations
- EC = External Combustion Equipment Operations
- ET = Engine Testing Operations
- FD = Fugitive Dust Sources
- FS = Fueling Station Operations
- IC = Internal Combustion Equipment
- LR = Loading Rack Operations
- MO = Miscellaneous Operations
- SU = Solvent Use Operations
- ST = Storage Tanks
- SC = Surface Coating Operations
- WL = Welding Operations
- WW = Woodworking Operations

The air operating permit unit attribute forms and the existing air quality operating permit in Appendix A identify current EU's at Fort Hood.

3. TITLE V PERMIT RENEWAL REVISIONS

All renewal additions and deletions are identified on the applicable air operating permit application forms.

3.1 Proposed Title V Renewal Emission Unit (EU) Additions

The subsection provides a list of proposed EUs by source category to be added to the Title V Permit.

3.1.1 External Combustion Equipment Operations

External combustion equipment operations at Fort Hood consists of both greater than 10 million British thermal units per hour (MMBtu/hr.) boilers and less than 10 MMBtu/hr. boilers and heaters. There are four (4) EU's (EC001-EC004) that group these units together. EC001 is comprised of the boilers that are greater than 10 MMBtu/hr and EC002 is comprised of those units that are below 10 MMbtu/hr as part of the 2017 renewal application, EC003 and EC004 were deleted and the units were moved to groups EC001 and EC002 according to their output. Fort Hood added the following equipment to the following external combustion EUs for inclusion in the permit:

EC001 – Four (4) new steam boilers for the new hospital in building 36071. The boilers are manufactured by Cleaver Books and have a max output of greater than 10 MMBtu/hr. These boilers need to be added to the permit as part of Group EC001. Fort Hood requested the addition of these four boilers in their Operating Permit Renewal Application dated January 2017; however, the boilers were inadvertently omitted from the permit.

EC002 – Added three (3) steam boilers in building 87018 to this EU ID. These steam boilers have a max output of less than 10 MMBtu/hr. This EU ID consists of boilers 12-17 and boilers 21-25 as well as site wide boilers and heaters.

3.1.2 Fueling Station Operations

Additional fueling station (FS) operations at Fort Hood were added as part of the 2022 renewal application and consisted of one (1) airfield rapid refueling station, two motor pools, and other miscellaneous fueling stations. No additional fueling stations are identified as part of this 2022 renewal application.

3.1.3 Internal Combustion Operations

Internal combustion (IC) operations at Fort Hood consists of diesel, natural gas, and propane fired emergency generators. The Title V Permit groups the equipment in this operation into four IC sources: IC001, IC002, IC003, and IC004. New sources should include all other IC equipment not previously included in the Title V Permit. An increase in the number of IC units covered by IC001

– IC004 allow for units to be added and/or deleted without the need to revise the permit. The air operating permit application forms identify the EU's to be added and deleted.

3.1.4 Miscellaneous Operations

Miscellaneous operations at Fort Hood consist of various equipment including landfill and bioremediation operations, tank purge operations, aerosol can crushing, solvent distillation and ammo crushing. Attachments to air quality operating permit application form OP-UA1 identify the miscellaneous operations.

3.1.5 Storage Tanks

Fort Hood operates above ground underground storage tanks. The storage tanks are identified on the applicable air quality operating permit application forms, either explicitly on the form or as an attachment to a form.

3.1.6 Surface Coating Operations

The surface coating operations are identified on the applicable air quality operating permit application forms, either explicitly on the form or as an attachment to a form.

3.1.7 Wood Working Operations

Woodworking (WW) operations at Fort Hood consist of crate, box, and furniture buildings as well as other miscellaneous woodworking activities. Operations consist of sawing, cutting, sanding, grinding, etc. Particulate matter (PM) emissions are controlled using cyclone type dust collectors and bag houses. The WW operations are identified on the applicable air operating permit application forms.

3.2 Proposed Title V Renewal Emission Unit (EU) Deletions

EU deletions are reflected on the applicable air quality operating permit application forms.

3.3 Proposed Title V Renewal Administrative Revisions

The enclosed applicable air quality operating permit application forms identify proposed administrative changes by source category and EU to be revised in the Title V Permit.

Based on the Environmental Protection Agency's (EPA's) reversal of the "Once In Always In" (OIAI) policy for major source National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories[1], 40 CFR Part 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities (Aerospace NESHAP), EPA documents related to reversal of the OIAI policy, federal regulations, TCEQ guidance, and TCEQ regulations were reviewed to assess if Fort Hood may opt out of being subject to the Aerospace NESHAP standard. In addition, reclassification of major sources as area sources under Section 112 of the Clean Air Act effective January 19, 2021 may remove all applicable major source NESHAP

requirements by reference. Historically, Fort Hood has been a synthetic minor source of hazardous air pollutants for approximately 14 years and the Aerospace NESHAP no longer applies to Fort Hood operations.

This Title V Permit Revision application removes all applicable requirements for NESHAP GG from the Title V permit as this rule is now entirely addressed on form OP-REQ1. Those sources removed from the permit as a result of this regulatory determination are detailed in form OP-2.

Fort Hood is requesting to remove all references of applicability for NESHAP JJ in-line with EPA's Once-In-Always-In EPA rules. It is further requested that all major source NESHAP applicability be removed from Fort Hood's Title V SOP where applicable under guidance. Appendix D contains Fort Hood's internal review supporting this request."

[1]Reclassifcation of Major Sources as Area Sources Under Section 112 of the Clean Air Act, William L. Wehrun, January 25, 2018

4. TITLE V RENEWAL APPLICATION FORMS

This section includes the TCEQ required application forms for the 2022 Fort Hood Title V Renewal.

Title V Renewal Application Forms in this subsection include the following:

- Form CR01 – Certification by Responsible Official
- Form OP-1 – Site Information Summary
- Form OP-2 – Application for Permit Revision/Renewal
- Form OP-SUMR – Individual Unit Summary for Revisions
- Unit Attribute Forms
    - Form OP-UA1 – Miscellaneous Unit Attributes
    - Form OP-UA2 – Stationary Reciprocating Internal Combustion Engine Unit Attributes
    - Form OP-UA3 – Storage Tank/Vessel Attributes
    - Form OP-UA4 – Loading/Unloading Operations Attributes
    - Form OP-UA6 – Boiler/Steam Generator/Steam Generating Unit Attributes
    - Form OP-UA18 – Surface Coating Operations Attributes
- Form OP-REQ1 – Area-Wide Applicability Determinations and General Information
- Form OP-REQ2 – Negative Applicable Requirement Determinations
- Form OP-REQ3 – Applicable Requirements Summary
- Form OP-ACPS – Application Compliance Plan and Schedule
- Form OP-MON – Monitoring Requirement

The Core Data form was not included with this package because Ms. Timi M. Dutchuk is identified as a Duly Authorized Representative (DAR) with TCEQ; thus, the Core Data form does not require any updates or changes at this time.

FORM CR01 – CERTIFICATION BY RESPONSIBLE OFFICIAL

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information		
RN: RN101612083	CN: CN600126262	Account No.: BF-0129-I
Permit No.: O1659	Project No.:	
Area Name: Fort Hood, U.S. Army	Company Name: US Department of the Army	

II. Certification Type *(Please mark the appropriate box)*

☐ Responsible Official ☒ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☒ Permit Revision, Renewal, or Reopening

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Timi M. Dutchuk, P. E. certify that I am the DAR
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ to _____
Start Date *End Date*

Specific Dates: January 25, 2022 _____ _____ _____ _____ _____
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: Timi M Dutchuk Signature Date: 2022024

Title: Chief, Environmental Programs

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information		
RN: RN101612083	CN: CN600126262	Account No.: BF-0129-I
Permit No.: O1659	Project No.:	
Area Name: Fort Hood, U.S. Army	Company Name: US Department of the Army	

II. Certification Type *(Please mark the appropriate box)*

☐ Responsible Official ☒ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☒ Permit Revision, Renewal, or Reopening

☐ Other: _____

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Timi M. Dutchuk, P. E. certify that I am the DAR
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ to _____
Start Date *End Date*

Specific Dates: January 25, 2022 _____ _____ _____ _____ _____
Date 1 *Date 2* *Date 3* *Date 4* *Date 5* *Date 6*

Signature: Timi M Dutchuk Signature Date: 20220124

Title: Chief, Environmental Programs

FORM OP-1 – SITE INFORMATION SUMMARY

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 1)

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250. Address written inquiries to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I.	**Company Identifying Information**							
A.	Company Name: U.S. Department of the Army							
B.	Customer Reference Number (CN): **CN600126262**							
C.	Submittal Date *(mm/dd/yyyy):*							
II.	**Site Information**							
A.	Site Name: Fort Hood							
B.	Regulated Entity Reference Number (RN): **RN101612083**							
C.	Primary Account Number for Site: BF-0129-I							
D.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*							
AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☐ N/A ☒								
E.	Indicate all pollutants for which the site is a major source based on the site's potential to emit:							
Pollutant	**VOC**	**NO_X**	**SO_2**	**PM_{10}**	**CO**	**Pb**	**HAPS**	**Other** ☐
Major at the Site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	
F.	Is the site a non-major source subject to the Federal Operating Permit Program?							☐ YES ☒ NO
G.	Is the site within a local program area jurisdiction?							☐ YES ☒ NO
H.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63?							☐ YES ☒ NO
I.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:							
III.	**Permit Type**							
A.	Type of Permit Requested: *(Select only one response)*							
Site Operating Permit (SOP) ☒ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP) ☐								
IV.	**Initial Application Information** *(Complete for Initial Issuance Applications only.)*							
A.	Is this submittal an abbreviated or a full application?							☐ Abbreviated ☒ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?							☒ YES ☐ NO
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?							☐ YES ☒ NO
D.	Has a copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)							☒ YES ☐ NO

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 2)

V.	**Confidential Information**		
A.	Is confidential information submitted in conjunction with this application?		☐ YES ☒ NO
VI.	**Responsible Official (RO)**		
A.	RO Name: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) Brian L. Dosa		
B.	RO Title: Director, Public Works		
C.	Employer Name: U. S. Army, HQ III Corps and Fort Hood		
D.	Mailing Address: U. S. Army, HQ III Corps and Fort Hood, Director of Public Work (AMIM-HDP), 4612 Engineer Dr.		
City: Fort Hood		State: TX	ZIP Code: 76544
Territory:		Country: USA	Foreign Postal Code:
E.	Internal Mail Code:		
F.	Telephone No.: (254) 287-5500		
G.	Fax No.:		
H.	Email: brian.l.dosa.civ@army.mil		
VII.	**Technical Contact Identifying Information** *(Complete if different from RO.)*		
A.	Technical Contact Name: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) Robert Kennedy		
B.	Technical Contact Title: Air Quality Program Manager		
C.	Employer Name: U.S. Army, HQ III Corps and Fort Hood		
D.	Mailing Address: U.S. Army, HQ III Corps and Fort Hood, DPW, Environmental Division (AMIM-HDP-E), 4612 Engineer Dr.		
City: Fort Hood		State: TX	ZIP Code: 76544
Territory:		Country: USA	Foreign Postal Code:
E.	Internal Mail Code:		
F.	Telephone No.: (254) 287-8714		
G.	Fax No.: (254) 287-3591		
H.	Email: robert.l.kennedy112.civ@army.mil		

Texas Commission on Environmental Quality
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VIII.	**Reference Only Requirements** *(For reference only.)*		
A.	State Senator: Dawn Buckingham		
B.	State Representative: Brad Buckley / Hugh Shine / Shelby Slawson		
C.	Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?		☒ YES ☐ NO ☐ N/A
D.	Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?		YES ☐ NO
E.	Indicate the alternate language(s) in which public notice is required:	Spanish	
IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*		
A.	Office/Facility Name:		
B.	Physical Address:		
City:	State:	ZIP Code:	
Territory:	Country:	Foreign Postal Code:	
C.	Physical Location:		
D.	Contact Name: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
E.	Telephone No.:		
X.	**Application Area Information**		
A.	Area Name: Fort Hood, U.S. Army		
B.	Physical Address: U.S. Army, HQ III Corps and Fort Hood, Attn: AMIM-HDP-E, 4612, Engineer Dr.		
City: Fort Hood	State: TX	ZIP Code: 76544	
C.	Physical Location:		
West of the city of Killeen, near Hwy 190/ Interstate 14			
D.	Nearest City: Killeen		
E.	State: TX		
F.	ZIP Code: 76544		

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X.	**Application Area Information** ***(continued)***		
G.	Latitude (nearest second):	31d 08' 00" North	
H.	Longitude (nearest second):	97d 36' 00" West	
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal?		☒ YES ☐ NO
J.	Indicate the estimated number of emission units in the application area:	≥200	
K.	Are there any emission units in the application area subject to the Acid Rain Program?		☐ YES ☒ NO

XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*		
A.	Name of public place to view application and draft permit: Killeen Public Library		
B.	Physical Address: 205 E. Church Street		
City: Killeen		ZIP Code: 76541	
C.	Contact Person (Someone who will answer questions from the public, during the public notice period):		
(☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.): Robert Kennedy			
D.	Contact Mailing Address: U.S. Army, HQ III Corps and Fort Hood, Attn: AMIM-HDP-E, 4612, Engineer Dr.		
City: Fort Hood	State: TX	ZIP Code: 76544	
Territory:	Country: USA	Foreign Postal Code:	
E.	Internal Mail Code:		
F.	Telephone No.: (254) 287-8714		

XII.	**Delinquent Fees and Penalties**
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."	
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.	

XIII.	**Designated Representative (DR) Identifying Information**		
A.	DR Name: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
B.	DR Title:		
C.	Employer Name:		
D.	Mailing Address:		
City:	State:	ZIP Code:	
Territory:	Country:	Foreign Postal Code:	

Texas Commission on Environmental Quality
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Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.		
XIII. Designated Representative (DR) Identifying Information *(continued)*		
E. Internal Mail Code:		
F. Telephone No.:		
G. Fax No.:		
H. Email:		
XIV. Alternate Designated Representative (ADR) Identifying Information		
A. ADR Name: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
B. ADR Title:		
C. Employer Name:		
D. Mailing Address:		
City:	State:	ZIP Code:
Territory:	Country:	Foreign Postal Code:
E. Internal Mail Code:		
F. Telephone No.:		
G. Fax No.:		
H. Email:		

FORM OP-2 – APPLICATION FOR PERMIT REVISION/RENEWAL

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 1

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

For Submissions to EPA

Has a copy of this application been submitted (or is being submitted) to EPA?	☒ YES ☐ NO

I. Application Type

Indicate the type of application:

☒ Renewal ☐ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)

☐ Significant Revision ☐ Revision Requesting Prior Approval ☐ Administrative Revision ☐ Response to Reopening

II. Qualification Statement

For SOP Revisions Only The referenced changes qualify for the marked revision type.	☒ YES ☐ NO
For GOP Revisions Only The permitted area continues to qualify for a GOP.	☐ YES ☐ NO

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	VOC	NO_X	SO_2	PM_{10}	CO	Pb	HAPs	Other
Major at the site *(YES/NO)*:	YES	YES	NO	NO	YES	NO	NO	

IV. Reference Only Requirements *(For reference only)*

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ☐ NO ☐ N/A

V. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 2

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Description of Revision

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	SIG-E	Yes	BLR36071-1	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
2	SIG-E	Yes	BLR36071-2	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
3	SIG-E	Yes	BLR36071-3	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
4	SIG-E	Yes	BLR36071-4	OP-UA6	106.183/09/04/2000	New dual-fired boiler in Building 36071 that should be added to Group EC001
5	SIG-E	Yes	BOILER10	OP-UA6	106.183/06/18/1997	Source removed from site
6	SIG-E	No	BOILER12	OP-REQ2	106.183/09/04/2000	Removes units from the permit. These boilers do not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
7	SIG-E	No	BOILER13	OP-REQ2	106.183/09/04/2000	
8	SIG-E	No	BOILER14	OP-REQ2	106.183/09/04/2000	
9	SIG-E	No	BOILER15	OP-REQ2	106.183/09/04/2000	
10	SIG-E	No	BOILER16	OP-REQ2	106.183/09/04/2000	
11	SIG-E	No	BOILER17	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.

Date:	1/19/2022
Permit No.:	O1659
Regulated Entity No.:	RN101612083
Company Name:	US Department of the Army

12	SIG-E	No	BOILER18	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
13	SIG-E	No	BOILER19	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
14	SIG-E	No	BOILER20	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
15	SIG-E	No	BOILER21	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
16	SIG-E	No	BOILER22	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
17	SIG-E	No	BOILER23	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.

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Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
18	SIG-E	No	BOILER24	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
19	SIG-E	No	BOILER25	OP-REQ2	106.183/09/04/2000	Remove unit from permit. This boiler does not fire liquid or solid fuel, has a heat input capacity <10 MMBTU/hr, and is located in a county affected by 30 TAC Chapter 117, therefore it is an off-permit source, per OP-UA6 instructions.
20	SIG-E	No	BOILER9	OP-UA6	106.183/06/18/1997	Source removed from site.
21	SIG-E	No	EC001	OP-UA6	106.183/06/18/1997	Remove 40 CFR 63, Subpart O from Permit Shield as this rule is addressed on form OP-REQ1
22	SIG-E	No	GRP-ENGINE1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
23	SIG-E	No	GRP-ENGINE10	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
24	SIG-E	No	GRP-ENGINE11	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; GRPENGINE11 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS IIII for GRP-ENGINE11 can instead be added to IC001-21, and the grouping GRPENGINE11 does not need to exist anymore.
25	SIG-E	No	GRP-ENGINE12	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
26	SIG-E	No	GRP-ENGINE13	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
27	SIG-E	No	GRP-ENGINE14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ; GRP-ENGINE14 will only have one Unit ID associated with it after other units are removed in this revision. This negative applicability being added for NSPS JJJJ for GRP-ENGINE14 can instead be added to IC001-51, and the grouping GRP-ENGINE14 does not need to exist anymore.
28	SIG-E	No	GRP-ENGINE16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
29	SIG-E	No	GRP-ENGINE17	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
30	SIG-E	No	GRP-ENGINE18	OP-REQ2	106.511/03/14/1997 106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
31	SIG-E	No	GRP-ENGINE19	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
32	SIG-E	No	GRP-ENGINE2	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
33	SIG-E	No	GRP-ENGINE3	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
34	SIG-E	No	GRP-ENGINE4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII; Adjusting Basis of Determination for NSPS JJJJ Negative Applicability to properly address language of rule
35	SIG-E	No	GRP-ENGINE5	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
36	SIG-E	No	GRP-ENGINE6	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
37	SIG-E	No	GRP-ENGINE9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
38	SIG-A	No	GRPOHCA	OP-REQ2	70/06/07/1996	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
39	SIG-A	No	GRPOHCA	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
40	SIG-A	No	GRPOHCB	OP-UA57	80/12/01/1972	Remove Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
41	SIG-E	Yes	IC001-13	OP-UA2	106.511/09/04/2000	Add unit to permit.
42	MS-C	No	IC001-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
43	MS-C	No	IC001-19	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
44	MS-C	No	IC001-22	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
45	MS-C	No	IC001-24	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
46	MS-C	No	IC001-25	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
47	MS-C	No	IC001-33	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
48	MS-C	No	IC001-34	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
49	MS-C	No	IC001-35	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit; GRP-ENGINE7 now has no associated units and should be removed from the permit.
50	MS-C	No	IC001-37	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.

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Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
51	MS-C	No	IC001-42	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
52	MS-C	No	IC001-43	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
53	SIG-E	No	IC001-43	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
54	SIG-E	No	IC001-44	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
55	MS-C	No	IC001-47	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
56	SIG-E	No	IC001-47	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
57	MS-C	No	IC001-48	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
58	SIG-E	No	IC001-48	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
59	MS-C	No	IC001-49	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
60	SIG-E	No	IC001-49	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
61	SIG-E	No	IC001-5	OP-REQ2	106.511/03/14/1997	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
62	MS-C	No	IC001-50	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
63	SIG-E	No	IC001-53	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
64	SIG-E, MS-C	No	~~IC001-54~~ IC002-18	OP-SUMR	106.511/09/04/2000	Changing Unit ID Number to match facility naming convention.
65	SIG-E	No	~~IC001-54~~ IC002-18	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
66	MS-C	No	IC001-55	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
67	SIG-E	No	IC001-56	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
68	MS-C	No	IC001-57	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
69	MS-C	No	IC001-58	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
70	MS-C	No	IC001-59	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
71	MS-C	No	IC001-64	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
72	SIG-E	No	IC001-65	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
73	SIG-E	No	IC001-66	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
74	MS-C	No	IC001-67	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
75	SIG-E	No	IC001-67	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
76	MS-C	No	IC001-68	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
77	SIG-E	No	IC001-68	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
78	MS-C	No	IC001-69	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
79	SIG-E	No	IC001-69	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
80	MS-C	No	IC001-70	OP-UA2	106.511/09/04/2000	Adjusting applicable requirements of engine to be based on 35 kW rating, rather than 130 kW.
81	SIG-E	No	IC001-70	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
82	SIG-E	No	IC001-72	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
83	SIG-E	Yes	IC001-75	OP-UA2	106.511/09/04/2000	Add unit to permit.
84	SIG-E	Yes	IC001-76	OP-UA2	106.511/09/04/2000	Add unit to permit.
85	SIG-E	Yes	IC001-77	OP-UA2	106.511/09/04/2000	Add unit to permit.
86	SIG-E	Yes	IC001-78	OP-UA2	106.511/09/04/2000	Add unit to permit.
87	SIG-E	Yes	IC001-79	OP-UA2	106.511/09/04/2000	Add unit to permit.
88	MS-C	No	IC001-8	OP-UA2	106.511/09/04/2000	Removing engine from current Title V Group; Adding in applicable requirements.
89	SIG-E	No	IC001-8	OP-UA2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ and 40 CFR 60, Subpart IIII
90	SIG-E	Yes	IC001-81	OP-UA2	106.511/09/04/2000	Add unit to permit.
91	SIG-E	Yes	IC001-82	OP-UA2	106.511/09/04/2000	Add unit to permit.
92	SIG-E	Yes	IC001-83	OP-UA2	106.511/09/04/2000	Add unit to permit.
93	SIG-E	Yes	IC001-84	OP-UA2	106.511/09/04/2000	Add unit to permit.
94	SIG-E	Yes	IC001-85	OP-UA2	106.511/09/04/2000	Add unit to permit.
95	SIG-E	Yes	IC001-86	OP-UA2	106.511/09/04/2000	Add unit to permit.
96	SIG-E	Yes	IC001-87	OP-UA2	106.511/09/04/2000	Add unit to permit.
97	SIG-E	Yes	IC001-88	OP-UA2	106.511/09/04/2000	Add unit to permit.
98	MS-C	No	IC002-14	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
98	SIG-E	No	IC002-14	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
99	MS-C	No	IC002-16	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.

Date:	1/19/2022					
Permit No.:	**O1659**					
Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
99	SIG-E	No	IC002-16	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
100	SIG-E	Yes	IC002-17	OP-SUMR	106.511/09/04/2000	Add unit to permit.
101	MS-C	No	IC002-6	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
102	MS-C	No	IC003-2	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
103	MS-C	No	IC003-20	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
104	MS-C	No	IC003-23	OP-SUMR	106.511/09/04/2000	Unit is OOS; Remove from Title V Permit.
105	SIG-E	Yes	IC003-24	OP-UA2	106.511/09/04/2000	Add unit to permit.
106	SIG-E	Yes	IC003-25	OP-UA2	106.511/09/04/2000	Add unit to permit.
107	SIG-E	Yes	IC003-26	OP-UA2	106.511/09/04/2000	Add unit to permit.
108	MS-C	No	IC003-3	OP-SUMR	106.511/03/14/1997	Unit is OOS; Remove from Title V Permit.
109	SIG-E	No	IC003-4	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
110	MS-C	No	IC003-5	OP-UA2	106.511/09/04/2000	Add to group ID: GRP-ENGINE2; Remove references to this individual Unit ID in the Permit Shield and Applicable Requirements sections of the Title V permit because this Unit ID is being added to GRP-ENGINE2.
111	MS-C	No	IC004-1	OP-SUMR	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
111	SIG-E	No	IC004-1	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart IIII
112	MS-C	No	IC004-2	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90145 as another operating scenario; GRP-ENGINE8 now has no associated units with it and does not need to exist in the permit anymore.

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Company Name:	**US Department of the Army**					
113	MS-C	No	IC004-3	OP-SUMR	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90048 as another operating scenario; GRP-ENGINE15 now has no associated units with it and does not need to exist in the permit anymore.
114	MS-C	No	IC004-7	OP-UA2	106.511/09/04/2000	Adjusting Title V Unit Description to match Building Number of engine location at facility.
115	MS-C	No	IC004-8	OP-UA2	106.511/09/04/2000	Remove this engine from the permit; This is being incorporated into IC-90140 as another operating scenario; See note for GRP-ENGINE11 above in OP-2 form.
116	MS-C	No	IC005-1	OP-SUMR	106.512/06/13/2001	Unit is OOS; Remove from Title V Permit.
117						LEFT INTENTIONALLY BLANK
118	SIG-E	No	SC001	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
119	SIG-E	No	SC002	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
120	SIG-E	No	SC003	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
121	ADMIN-A	No	SC004	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
122	SIG-E	No	SC004	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT;

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						40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
123	ADMIN-A	No	SC005	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
124	SIG-E	No	SC005	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
125	ADMIN-A	No	SC006	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN.
126	SIG-E	No	SC006	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
127	ADMIN-A	No	SC007	OP-SUMR	24538	Update Emission Unit Name to include reference to EPN and reflect Bay Number.
128	SIG-E	No	SC007	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
129	SIG-E	No	SC009	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from

Date:	1/19/2022					
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Regulated Entity No.:	**RN101612083**					
Company Name:	**US Department of the Army**					
						Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
130	SIG-E	No	SC011	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
131	SIG-E	No	SC013	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
132	SIG-E	No	SC015	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
133	SIG-E	No	SC017	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
134	SIG-E	No	SC021	OP-REQ2	24538	Add negative applicability to the Permit Shield for the following rules: 40 CFR 60 Subparts SS, TT, WW, TTT; 40 CFR 63 PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7. Remove negative applicability from

Date:	1/19/2022					
Permit No.:	**O1659**					
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Company Name:	**US Department of the Army**					
						Permit Shield for 40 CFR 63, Subpart JJ because this rule is addressed in its entirety on OP-REQ1.
135	SIG-A	No	SU001	OP-UA57	46/05/08/1972, 41/11/25/1985, 41/11/05/1986, 107/05/04/1994, 41/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
136	SIG-A	No	SU002	OP-UA57	80/12/01/1972, 80/09/17/1973, 80/09/23/1982, 70/11/25/1985, 70/11/05/1986, 70/07/20/1992, 124/05/04/1994, 41/06/07/1996, 70/06/07/1996, 106.454/03/14/1997	Delete Group and associated Unit IDs from Title V Permit. All applicable requirements for the Unit IDs in this group are addressed in OP-REQ1.
137	SIG-E	No	WW002	OP-REQ2	106.231/09/04/2000	Unit ID will be added to group GRPWW and should not be listed individually in the Permit Shield.
138	SIG-E	Yes	GRPWW	OP-REQ2	106.231/09/04/2000, 106.265/09/04/2000	Create new group for Wood Working facilities with new and pre-existing Unit IDs and add to Permit Shield for the following rules: 40 CFR 60, Subparts EE, MM, TT, RR, SS, WW, TTT; 40 CFR 63, Subpart PPPP; 30 TAC Chapter 115, Subchapter E, Divisions 2, 5, and 7.
139	SIG-E	Yes	IC003-27	OP-REQ2	106.511/09/04/2000	Add unit to permit.
144	SIG-E	No	IC001-9	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
145	SIG-E	No	IC002-15	OP-REQ2	106.511/09/04/2000	Demonstrating Negative Applicability for 40 CFR 60, Subpart JJJJ
146	SIG-E	No	~~IC003-13~~ IC-DF90145	OP-REQ2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE8; Adding in Non-Applicability in OP-REQ2; GRP-

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						ENGINE8 now has no associated units with it, and does not need to exist in the permit anymore.
147	SIG-E	No	~~IC003-14~~ IC-DF90048	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE15; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; GRP-ENGINE15 now has no associated units with it, and does not need to exist in the permit anymore.
148	SIG-E	No	~~IC003-22~~ IC-DF90140	OP-UA2	106.511/09/04/2000	Change Title V ID; Remove from GRP-ENGINE11; Add in new operating scenario for propane usage; Adding in Non-Applicability in OP-REQ2; Applicable Requirements are included in OP-REQ3; See note for GRPENGINE11 above in OP-2 form.
149	SIG-E	No	MO001	OP-UA1	§106.534 - 1866	Delete from permit. Landfill is closed.
150	SIG-E	No	MO010	OP-UA1	§106.262 – 81875 & 83515	Delete from permit. Bulb crushing equipment no longer used.
151	SIG-E	Yes	BOILER11	OP-UA6	§106.183/06/18/1997	Source removed from site.
152	SIG-E	No	WW008	OP-UA1	§106.265/09/04/2000	Demolished as Woodworking Shop

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**
Company Name:	**US Department of the Army**

I. Significant Revision *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*

A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?		☒YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required:	Spanish	
C.	Will there be a change in air pollutant emissions as a result of the significant revision		☒ YES ☐ NO

D. Indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions
NOx	+110.15 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
PM/PM10/PM2.5	+7.58 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
SO2	+2.82 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
CO	+73.23 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
VOC	+6.45 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Lead	+3.44E-4 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.
Total HAP	+0.10 tons/year of potential emissions from added units. Removed units are not reflected in this emission change.

Attachment to Form OP-2
Summary of Air Emission Changes

Note: The table provided below is intended to calculate potential air emission changes associated with added units. Units removed from the facility are not accounted for in the calculated emission changes below.
The calculations use conservatively high emission factors to cover the spectrum of engines located at the facility, ranging from existing NESHAP ZZZZ engines to engines subject to the most current NSPS emission standards.
The potential to emit values listed below are to be interpreted as "no greater than" values. Future refinement of the emission factors is available. The facility operates emission units to maintain facility-wide emission levels below major source HAP thresholds.

Air Emission Factors for Stationary Diesel Engines ≤ 600 bhp (lb/bHP)

NOx	PM/PM10/PM2.5	SO_2	CO	VOC	Pb	HAP	Emission Factor Source
0.031	2.20E-03	2.50E-03	6.68E-03	0.0025141	-	2.77E-05	EPA AP-42, Section 3.3, Table 3.3-1 (All PM = PM10 and PM2.5)

Air Emission Factors for Stationary Diesel Engines > 600 bhp (lb/bHP)

NOx	PM/PM10/PM2.5	SO_2	CO	VOC	Pb	HAP	Emission Factor Source
0.024	7.00E-04	1.21E-05	5.50E-03	0.00064155	-	9.53E-06	EPA AP-42, Section 3.4, Table 3.4-1 (All PM = PM10 and PM2.5)

Air Emission Factors for 4SRB Stationary Natural Gas Engines (lb/bHP @ 7,000 Btu/bHP-hr)

NOx	PM/PM10/PM2.5	SO_2	CO	VOC	Pb	HAP	Emission Factor Source
0.016	1.36E-04	4.12E-06	2.60E-02	0.0002072	-	2.27E-04	EPA AP-42, Section 3.2, Table 3.2-3 (All PM = PM10 and PM2.5)

Air Emission Factors for Dual Fuel Boilers (lbMMscf @ 1,020 Btu/scf), Natural Gas fuel assumed as primary heat input

NOx	PM/PM10/PM2.5	SO_2	CO	VOC	Pb	HAP	Emission Factor Source
100	7.60	0.60	84	5.50	0.0005	1.85E-03	EPA AP-42, Section 1.4, Table 1.4-1, 1.4-2, 1.4-3 (All PM = PM10 and PM2.5)

		Subject to NSPS & NESHAP					Potential to Emit (Tons/Year)						
OP-2 Revision #	**Unit ID**	**ZZZZ, IIII, JJJJ?**	**Fuel**	**kW Capacity**	**bHP Capacity**	**Maximum Annual Operating Hours[1]**	**NOx**	**PM/PM10/PM2.5**	**SO_2**	**CO**	**VOC**	**Pb**	**HAP**
41	IC001-13	ZZZZ	Diesel	50	67	876	9.10E-01	6.46E-02	7.34E-02	1.96E-01	7.38E-02	-	8.13E-04
83	IC001-75	ZZZZ & IIII	Diesel	100	135	876	1.83E+00	1.30E-01	1.48E-01	3.95E-01	1.49E-01	-	1.64E-03
84	IC001-76	ZZZZ & IIII	Diesel	180	241	876	3.27E+00	2.32E-01	2.64E-01	7.05E-01	2.65E-01	-	2.92E-03
85	IC001-77	ZZZZ & IIII	Diesel	275	369.875	876	5.02E+00	3.56E-01	4.05E-01	1.08E+00	4.07E-01	-	4.49E-03
86	IC001-78	ZZZZ & IIII	Diesel	40	54	876	7.33E-01	5.20E-02	5.91E-02	1.58E-01	5.95E-02	-	6.55E-04
87	IC001-79	ZZZZ & IIII	Diesel	40	54	876	7.33E-01	5.20E-02	5.91E-02	1.58E-01	5.95E-02	-	6.55E-04
90	IC001-81	ZZZZ & IIII	Diesel	180	331	876	4.49E+00	3.19E-01	3.62E-01	9.68E-01	3.64E-01	-	4.02E-03
91	IC001-82	ZZZZ & IIII	Diesel	350	157	876	2.13E+00	1.51E-01	1.72E-01	4.59E-01	1.73E-01	-	1.91E-03
92	IC001-83	ZZZZ & IIII	Diesel	52	86	876	1.17E+00	8.29E-02	9.42E-02	2.52E-01	9.47E-02	-	1.04E-03
93	IC001-84	ZZZZ & IIII	Diesel	125	165	876	2.24E+00	1.59E-01	1.81E-01	4.83E-01	1.82E-01	-	2.00E-03
94	IC001-85	ZZZZ & IIII	Diesel	100	135	876	1.83E+00	1.30E-01	1.48E-01	3.95E-01	1.49E-01	-	1.64E-03
95	IC001-86	ZZZZ & IIII	Diesel	180	242	876	3.29E+00	2.33E-01	2.65E-01	7.08E-01	2.66E-01	-	2.94E-03
96	IC001-87	ZZZZ & IIII	Diesel	74	99	876	1.34E+00	9.54E-02	1.08E-01	2.90E-01	1.09E-01	-	1.20E-03
97	IC001-88	ZZZZ & IIII	Diesel	46	62	876	8.42E-01	5.97E-02	6.79E-02	1.81E-01	6.83E-02	-	7.52E-04
100	IC002-17	ZZZZ & IIII	Diesel	500	670	876	7.04E+00	2.05E-01	3.56E-03	1.61E+00	1.88E-01	-	2.80E-03
105	IC003-24	ZZZZ & JJJJ	Natural Gas	100	135	876	9.40E-01	8.03E-03	2.43E-04	1.54E+00	1.23E-02	-	1.34E-02
106	IC003-25	ZZZZ & JJJJ	Natural Gas	200	304	876	2.12E+00	1.81E-02	5.48E-04	3.47E+00	2.76E-02	-	3.02E-02
107	IC003-26	ZZZZ & JJJJ	Natural Gas	60	81	876	5.64E-01	4.82E-03	1.46E-04	9.24E-01	7.35E-03	-	8.05E-03
139	IC003-27	ZZZZ & JJJJ	Natural Gas	100	135	876	9.40E-01	8.03E-03	2.43E-04	1.54E+00	1.23E-02	-	1.34E-02
OP-2 Revision #	**Unit ID**	**-**	**Fuel**	**MMscf/hr Capacity[2]**	**-**	**Maximum Annual Operating Hours[3]**	**NOx**	**PM/PM10/PM2.5**	**SOx**	**CO**	**VOC**	**Pb**	**HAP**
1	BLR36071-1	-	Dual Fuel	0.039	-	8760	1.72E+01	1.31E+00	1.03E-01	1.44E+01	9.45E-01	8.59E-05	3.18E-04
2	BLR36071-2	-	Dual Fuel	0.039	-	8760	1.72E+01	1.31E+00	1.03E-01	1.44E+01	9.45E-01	8.59E-05	3.18E-04
3	BLR36071-3	-	Dual Fuel	0.039	-	8760	1.72E+01	1.31E+00	1.03E-01	1.44E+01	9.45E-01	8.59E-05	3.18E-04
4	BLR36071-4	-	Dual Fuel	0.039	-	8760	1.72E+01	1.31E+00	1.03E-01	1.44E+01	9.45E-01	8.59E-05	3.18E-04
					Total Increase (TPY):		**110.15**	**7.58**	**2.82**	**73.23**	**6.45**	**3.44E-04**	**0.10**

[1]Maximum Annual Operating Hours reflective of 10% of normal annual hours of operation per TAC 106.511 Permit by Rule.
[2]Maximum MMBtu/hr per boiler is no greater than 40 MMBtu/hr (0.039 MMscf/hr). For conservatism, 40 MMBtu/hr is used as a high-end value per boiler for maximum heat input. Future refinement of PTE per boiler is available using unit-specific maximum heat input.
[3]Permitted by TAC 106.183 Permit by Rule.
Actual emissions from facilities covered by permit by rule regulations must be less than emission levels in TAC 106.4 (1) and (4).

FORM OP-SUMR – INDIVIDUAL UNIT SUMMARY FOR REVISIONS

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	1	BLR36071-1	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	2	BLR36071-2	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	3	BLR36071-3	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
A	4	BLR36071-4	OP-UA6	STEAM BOILERS – BLDG 36071		106.183/09/04/2000	
D	5	BOILER10	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
D	6	BOILER12	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	7	BOILER13	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	8	BOILER14	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	9	BOILER15	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	10	BOILER16	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	11	BOILER17	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	12	BOILER18	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	13	BOILER19	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	14	BOILER20	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	15	BOILER21	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	16	BOILER22	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	17	BOILER23	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	18	BOILER24	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	
D	19	BOILER25	OP-REQ2	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR		106.183/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	20	BOILER9	OP-UA6	STEAM BOILERS – BLDG 36000		106.183/06/18/1997	
A	41	IC001-13	OP-UA2	NEC REMOTE SERVICE CENTER BLDG 338		106.511/09/04/2000	
	42	IC001-14		DIESEL ENGINE RANGE CONTROL BLDG 56015		106.511/09/04/2000	
D	43	IC001-19		DIESEL ENGINE DELUGE PUMP BLDG 89100B		106.511/09/04/2000	
	44	IC001-22		DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49024		106.511/09/04/2000	
	45	IC001-24		DIESEL ENGINE RGAAF BLDG 90244		106.511/09/04/2000	
	46	IC001-25		DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8682		106.511/09/04/2000	
D	47	IC001-33		DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A		106.511/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
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Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	48	IC001-34		DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B		106.511/09/04/2000	
D	49	IC001-35		DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C		106.511/09/04/2000	
D	50	IC001-37		DIESEL ENGINE DELUGE PUMP BLDG 88020		106.511/09/04/2000	
D	51	IC001-42		DIESEL ENGINE COLD STORAGE BLDG 57003-2		106.511/09/04/2000	
	52	IC001-43		DIESEL ENGINE FHFD – STATION 1 BLDG 23024		106.511/09/04/2000	
	55	IC001-47		DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2309		106.511/09/04/2000	
	57	IC001-48		DIESEL ENGINE OTC COMP SITE BLDG 53401		106.511/09/04/2000	
	59	IC001-49		DIESEL ENGINE OTC SCIF SITE BLDG 90159		106.511/09/04/2000	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	62	IC001-50		DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026		106.511/09/04/2000	
	64	~~IC001-54~~ IC002-18		DIESEL ENGINE ACP #2A – HWY 195 GATE BLDG 5758		106.511/09/04/2000	
	66	IC001-55		DIESEL ENGINE FHFD STATION 4 BLDG 56517		106.511/09/04/2000	
D	68	IC001-57		DIESEL ENGINE FIRE PUMP #1 BLDG 90056		106.511/09/04/2000	
D	69	IC001-58		DIESEL ENGINE FIRE PUMP #2 BLDG 90056		106.511/09/04/2000	
D	70	IC001-59		DIESEL ENGINE FIRE PUMP #3 BLDG 90056		106.511/09/04/2000	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	71	IC001-64		DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175		106.511/09/04/2000	
	74	IC001-67		DIESEL ENGINE EMERGENCY GENERATOR BLDG 56024		106.511/09/04/2000	
	76	IC001-68		DIESEL ENGINE EMERGENCY GENERATOR BLDG 23021		106.511/09/04/2000	
	78	IC001-69		DIESEL ENGINE EMERGENCY GENERATOR BLDG 36055		106.511/09/04/2000	

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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	83	IC001-75	OP-UA2	ACP 9 – CLARK ROAD NORTH GATE BLDG 88052		106.511/09/04/2000	
A	84	IC001-76	OP-UA2	VET CLINIC BLDG 4904		106.511/09/04/2000	
A	85	IC001-77	OP-UA2	BILLY JOHNSON DENTAL CLINIC BLDG 36014		106.511/09/04/2000	
A	86	IC001-78	OP-UA2	ACP 8 – TANK DESTROYER WEST BLDG 88060		106.511/09/04/2000	
A	87	IC001-79	OP-UA2	ACP 21 – 79TH STREET GATE BLDG 4624		106.511/09/04/2000	
A	90	IC001-81	OP-UA2	FAIRBANK DENTAL CLINIC BLDG 9440		106.511/09/04/2000	
A	91	IC001-82	OP-UA2	PROPOSED RGAAF TANK FARM		106.511/09/04/2000	

Texas Commission on Environmental Quality
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Individual Unit Summary for Revisions
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Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	92	IC001-83	OP-UA2	1ST ARMY HQ BLDG 410		106.511/09/04/2000	
A	93	IC001-84	OP-UA2	E911 CENTER BLDG 4435		106.511/09/04/2000	
A	94	IC001-85	OP-UA2	RGAAF NLV EAST BLDG 90095		106.511/09/04/2000	
A	95	IC001-86	OP-UA2	RGAAF ASR-9 RADAR BLDG 92087		106.511/09/04/2000	
A	96	IC001-87	OP-UA2	FIRE SUPPRESSION PUMP 11010 BLDG 11010		106.511/09/04/2000	
A	97	IC001-88	OP-UA2	FOAM PUMP GREY EAGLE HANGAR BLDG 90176		106.511/09/04/2000	
	98	IC002-14		DIESEL ENGINE EMERGENCY GENERATOR BLDG 91013		106.511/09/04/2000	
	99	IC002-16		DIESEL ENGINE EMERGENCY GENERATOR BLDG 28005		106.511/09/04/2000	

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Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	100	IC002-17		WFH SCIF BLDG 90087		106.511/09/04/2000	
	101	IC002-6		DIESEL ENGINE ACS G2ITCE BLDG 22010		106.511/09/04/2000	
D	102	IC003-2		NATURAL GAS IC EQUIPMENT		106.511/09/04/2000	
	103	IC003-20		4SRB ENGINE NEC RSC #7 BLDG 88075		106.511/09/04/2000	
D	104	IC003-23		DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027		106.511/09/04/2000	
A	105	IC003-24	OP-UA2	RGAAF ASR-11 RADAR BLDG 92079		106.511/09/04/2000	
A	106	IC003-25	OP-UA2	OTC LAB (ATEC) BLDG 91008		106.511/09/04/2000	
A	107	IC003-26	OP-UA2	HAHP TOWER BLDG 6997		106.511/09/04/2000	
D	108	IC003-3		NATURAL GAS IC EQUIPMENT		106.511/09/04/2000	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	111	IC004-1		4SLB ENGINE FHFD TRANSMITTER BLDG 56013		106.511/09/04/2000	
D	112	IC004-2		4SRB ENGINE FHFD RGAAF BLDG 90145-2		106.511/09/04/2000	
D	113	IC004-3		4SRB ENGINE RGAAF NLV BLDG 90048-2		106.511/09/04/2000	
	114	IC004-7	OP-UA2	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56339		106.511/09/04/2000	
D	115	IC004-8	OP-UA2	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2		106.511/09/04/2000	
D	116	IC005-1		DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610		106.512/06/13/2001	
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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	121	SC004	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY I: 88027-2-1, 88027-2-2		24538	
	123	SC005	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY II: 88027-2-1, 88027-2-2		24538	
	125	SC006	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY III: 88027-3-1, 88027-3-2		24538	
	127	SC007	OP-REQ2	PAINT SPRAY BOOTH BLDG 88027 BAY IV: 88027-4-1, 88027-4-2		24538	
A	138	WW001	OP-REQ2	LRC WOODWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	138	WW002	OP-REQ2	ALL-STAR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW003	OP-REQ2	DPW WOODOWORKING AND MANUFACTURING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW004	OP-REQ2	DMWR WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
A	138	WW005	OP-REQ2	DS2 WOODWORKING AND MANUFACTURING OPERATIONS – 731		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW007	OP-REQ2	TSC WOODWORKING OPERATIONS		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW008	OP-REQ2	WOODWORKING OPERATIONS BLDG 25031		106.231/09/04/2000, 106.265/09/04/2000	
	138	WW009	OP-REQ2	WOODWORKING OPERATIONS BLDG 40009		106.231/09/04/2000, 106.265/09/04/2000	

Texas Commission on Environmental Quality
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1/11/2022	O1659	RN101612083

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
A	139	IC003-27		NFH EOC BLDG 56506		106.511/09/04/2000	
D	140	IC001-10	OP-UA2	1ST ARMY HQ BLDG 410		PBR 54052	
D	141	IC001-17	OP-UA2	RGAAF NLV EAST BLDG 90095		PBR 54052	
D	142	IC001-32	OP-UA2	RGAAF ASR-9 RADAR		PBR 54052	
D	149	MO001	OP-UA1	MUNICIPAL SOLID WASTE LANDFILL - CLOSED		§106.534 - 1866	
D	150	MO010	OP-UA1	FLUORESCENT BULB CRUSHING		§106.262 – 81875 & 83515	
D	151	BOILER11	OP-UA6	STEAM BOILERS		§106.183/06/18/1997	
D	152	WW008	OP-UA1	WOODWORKING – BLDG 25031		§106.265/09/04/2000	

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Individual Unit Summary for Revisions
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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
1	BLR36071-1	OP-UA6	A	EC001
2	BLR36071-2	OP-UA6	A	EC001
3	BLR36071-3	OP-UA6	A	EC001
4	BLR36071-4	OP-UA6	A	EC001
5	BOILER10	OP-UA6	D	EC001
6	BOILER12	OP-REQ2	D	EC002
7	BOILER13	OP-REQ2	D	EC002
8	BOILER14	OP-REQ2	D	EC002
9	BOILER15	OP-REQ2	D	EC002
10	BOILER16	OP-REQ2	D	EC002

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Form OP-SUMR
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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	BOILER17	OP-REQ2	D	EC002
12	BOILER18	OP-REQ2	D	EC002
13	BOILER19	OP-REQ2	D	EC002
14	BOILER20	OP-REQ2	D	EC002
15	BOILER21	OP-REQ2	D	EC002
16	BOILER22	OP-REQ2	D	EC002
17	BOILER23	OP-REQ2	D	EC002
18	BOILER24	OP-REQ2	D	EC002
19	BOILER25	OP-REQ2	D	EC002
20	BOILER9	OP-UA6	D	EC001

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Table 2

Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
71	IC001-64	OP-UA2	D	IC001-64
88	IC001-8	OP-UA2	D	GRP-ENGINE1
102	IC003-2	OP-UA2	D	GRP-ENGINE2
104	IC003-23	OP-UA2	D	IC003-23
109	IC003-5	OP-UA2	A	GRP-ENGINE2
116	IC005-1	OP-UA2	D	IC005-01
138	WW001	OP-REQ2	A	GRPWW
138	WW002	OP-REQ2	A	GRPWW
138	WW003	OP-REQ2	A	GRPWW

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Date	Permit No.	Regulated Entity No.
1/11/2022	O1659	RN101612083

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
138	WW004	OP-REQ2	A	GRPWW
138	WW005	OP-REQ2	A	GRPWW
138	WW007	OP-REQ2	A	GRPWW
138	WW009	OP-REQ2	A	GRPWW
140	IC001-10	OP-UA2	D	GRP-ENGINE1
141	IC001-17	OP-UA2	D	GRP-ENGINE6
142	IC001-32	OP-UA2	D	GRP-ENGINE6
146	IC-DF90145	OP-REQ2	D	GRP-ENGINE8
147	IC-DF90048	OP-UA2	D	GRP-ENGINE15
148	IC-DF90140	OP-UA2	D	GRP-ENGINE11
152	WW008	OP-UA1	D	GRPWW

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 3: Acid Rain, Cross-State Air Pollution Rule (CSAPR), and Texas SO_2 Trading Program

Date	Permit No.	Regulated Entity No.
	O1659	RN101612083

Unit ID No.	Applicable Form	COR Unit ID No.	Acid Rain	ARP Status	CSAPR	CSAPR Monitoring	Texas SO_2	Texas SO_2 Monitoring	COR

UNIT ATTRIBUTE FORMS

Note regarding the enclosed UA forms: Consistent with the 2017 renewal application, this renewal application includes the existing air operating permit, dated August 8, 2017, in Appendix A to identify all existing permitted air emission units. Changes to the facility relative to the existing air quality operating permit are identified on the enclosed OP-2 and OP-SUMR forms. The information contained on the enclosed unit attribute forms is intended to communicate the same level of detail as identified in the application for the August 8, 2017 air quality operating permit.

Please note, all storage tanks that previously stored JP8 fuel now store F24 fuel.

FORM OP-UA1 – MISCELLANEOUS UNIT ATTRIBUTES

Texas Commission on Environmental Quality
Miscellaneous Unit Attributes
Form OP-UA1 (Page 1)
Federal Operating Permit Program

Date:	**1/5/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP/GOP Index No.	Unit Type	Date Constructed/Placed in Service	Functionally Identical Replacement	Maximum Rated Capacity	Technical Information and Unit Description
MO011		EU	FCD+			
WW007		EU	FCD+			
WW008		EU	FCD+			
WW009		EU	FCD+			
MO001		EU	February 18, 1981			Landfill Operations
MO002		EU	March 25, 1991			Landfill Operations
MO004		EU	June 25, 1999			Bio Remediation Site
MO005		EU	Demolished			Site Wide Rock Crushing
MO006		EU	October 12, 2005			Fuel Truck Cleaning
MO007		EU	11/4/11 & 8/11/17			Aerosol Can Crushers

Texas Commission on Environmental Quality
Miscellaneous Unit Attributes
Form OP-UA1 (Page 1)
Federal Operating Permit Program

Date:	**1/5/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP/GOP Index No.	Unit Type	Date Constructed/Placed in Service	Functionally Identical Replacement	Maximum Rated Capacity	Technical Information and Unit Description
MO010		EU	Demolished			Site Wide Fluorescent Bulb Crushing
MO011		EU	March 23, 2007			Small Arms Safety Certification Unit

TITLE V SOURCE CATEGORIES AND EMISSION UNIT (EU) IDENTIFICATIONS (ID)

An emission unit (EU) is defined in Title 40, Part 70.2 of the Code of Federal Regulations (CFR) (40 CFR 70.2) as any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under Section 112(b) of the Clean Air Act Amendments of 1990.

EUs are identified in the Title V Permit O1659 by a two-character prefix based on their source category and is followed by a three-digit identification number that identifies each EU within a source category. These numbers are identified further in the Air Program Information Management System (APIMS) and are linked to the process IDs for the sources. The source categories associated with each two-character prefix are as follows:

- AB = Abrasive Blasting Operations
- EC = External Combustion Equipment Operations
- ET = Engine Testing Operations
- FD = Fugitive Dust Sources
- FS = Fueling Station Operations
- IC = Internal Combustion Equipment
- LR = Loading Rack Operations
- MO = Miscellaneous Operations
- SU = Solvent Use Operations
- ST = Storage Tanks
- SC = Surface Coating Operations
- WL = Welding Operations
- WW = Woodworking Operations

FORM OP-UA2 – STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINE UNIT ATTRIBUTES

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC001-5	63ZZZZ	AREA	100-	02-	Yes		
IC001-8	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-9	63ZZZZ	AREA	100-	02-06	No	EMER-A	CI
IC001-13	63ZZZZ	AREA	100-	02-06	No	EMER-A	CI
IC001-14	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-16	63ZZZZ	AREA	100-	02-	No	EMER-A	CI
IC001-18	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-21	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-22	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-24	63ZZZZ	AREA	100-250	02-	No	EMER-A	CI

Note: All IC001, IC002, and IC005 units are Compression Ignition (CI) engines. All IC003 and IC004 units are Spark Ignition (SI) engines.

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC001-25	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-30	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-36	63ZZZZ	AREA	100-250	02-06	No	EMER-A	CI
IC001-43	63ZZZZ	AREA	300-500	02-06	Yes		
IC001-44	63ZZZZ	AREA	500+	02-06	No	EMER-A	CI
IC001-46	63ZZZZ	AREA	250-300	06+			
IC001-47	63ZZZZ	AREA	100-250	02-06	Yes		
IC001-48	63ZZZZ	AREA	100-250	06+			
IC001-49	63ZZZZ	AREA	100-250	06+			
IC001-51	63ZZZZ	AREA	300-500	02-	No	EMER-A	CI

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC001-53	63ZZZZ	AREA	100-250	06+			
IC001-55	63ZZZZ	AREA	250-300	06+			
IC001-56	63ZZZZ	AREA	100-250	06+			
IC001-60	63ZZZZ	AREA	250-300	06+			
IC001-61	63ZZZZ	AREA	250-300	06+			
IC001-62	63ZZZZ	AREA	250-300	06+			
IC001-65	63ZZZZ	AREA	100-250	06+			
IC001-66	63ZZZZ	AREA	300-500	06+			
IC001-67	63ZZZZ	AREA	300-500	06+			
IC001-68	63ZZZZ	AREA	300-500	06+			

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC001-70	63ZZZZ	AREA	100-	06+			
IC001-71	63ZZZZ	AREA	100-	06+			
IC001-72	63ZZZZ	AREA	100-250	06+			
IC001-74	63ZZZZ	AREA	100-	06+			
IC001-75	63ZZZZ	AREA	100-250	06+			
IC001-76	63ZZZZ	AREA	100-250	06+			
IC001-77	63ZZZZ	AREA	300-500	06+			
IC001-78	63ZZZZ	AREA	100-	06+			
IC001-79	63ZZZZ	AREA	100-	06+			
IC001-81	63ZZZZ	AREA	300-500	06+			

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC001-82	63ZZZZ	AREA	100-250	06+			
IC001-83	63ZZZZ	AREA	100-	06+			
IC001-84	63ZZZZ	AREA	100-250	06+			
IC001-85	63ZZZZ	AREA	100-250	06+			
IC001-86	63ZZZZ	AREA	100-250	06+			
IC001-87	63ZZZZ	AREA	100-	06+			
IC001-88	63ZZZZ	AREA	100-	06+			

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC002-1	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-3	63ZZZZ	AREA	500+	06+			
IC002-4	63ZZZZ	AREA	500+	06+			
IC002-5	63ZZZZ	AREA	500+	06+			
IC002-6	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-7	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-8	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-9	63ZZZZ	AREA	500+	02-	No	EMER-A	CI
IC002-10	63ZZZZ	AREA	500+	06+			
IC002-11	63ZZZZ	AREA	500+	06+			

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC002-12	63ZZZZ	AREA	500+	06+			
IC002-13	63ZZZZ	AREA	500+	06+			
IC002-14	63ZZZZ	AREA	500+	06+			
IC002-15	63ZZZZ	AREA	500+	06+			
IC002-16	63ZZZZ	AREA	500+	06+			
IC002-17	63ZZZZ	AREA	500+	06+			
IC002-18	63ZZZZ	AREA	500+	06+			

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC003-1	63ZZZZ	AREA	100-	02-	No	EMER-A	4SLB
IC003-4	63ZZZZ	AREA	250-300	06+			
IC003-5	63ZZZZ	AREA	100-	02-	No	EMER-A	4SLB
IC003-6	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-8	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-9	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-10	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
IC003-11	63ZZZZ	AREA	100-250	02-	No	EMER-A	4SLB
~~IC003-13~~ IC-DF90145	63ZZZZ	AREA	100-250	02-	Yes		
~~IC003-14~~ IC-DF90048	63ZZZZ	AREA	300-500	02-	No	EMER-A	4SRB

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC003-16	63ZZZZ	AREA	300-500	06+			
IC003-17	63ZZZZ	AREA	300-500	06+			
IC003-18	63ZZZZ	AREA	100-250	06+			
IC003-19	63ZZZZ	AREA	100-250	06+			
IC003-20	63ZZZZ	AREA	100-250	06+			
IC003-21	63ZZZZ	AREA	100-250	06+			
~~IC003-22~~ IC-DF90140	63ZZZZ	AREA	100-250	06+			
IC003-24	63ZZZZ	AREA	100-250	06+			
IC003-25	63ZZZZ	AREA	300-500	06+			
IC003-26	63ZZZZ	AREA	100-	06+			

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC003-27	63ZZZZ	AREA	100-250	06+			

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
IC004-1	63ZZZZ	AREA	100-	02-	Yes		
IC004-2	63ZZZZ	AREA	100-250	02-	Yes		
IC004-3	63ZZZZ	AREA	300-500	02-	No	EMER-A	4SRB
IC004-5	63ZZZZ	AREA	100-	06+			
IC004-6	63ZZZZ	AREA	100-	06+			
IC004-7	63ZZZZ	AREA	100-	06+			
IC004-8	63ZZZZ	AREA	100-250	06+			

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC001-5	63ZZZZ					
IC001-8	63ZZZZ					
IC001-9	63ZZZZ					
IC001-13	63ZZZZ					
IC001-14	63ZZZZ					
IC001-16	63ZZZZ					
IC001-18	63ZZZZ					
IC001-21	63ZZZZ					
IC001-22	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC001-24	63ZZZZ					
IC001-25	63ZZZZ					
IC001-30	63ZZZZ					
IC001-36	63ZZZZ					
IC001-43	63ZZZZ					
IC001-44	63ZZZZ					
IC001-46	63ZZZZ					
IC001-47	63ZZZZ					
IC001-48	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC001-49	63ZZZZ					
IC001-51	63ZZZZ					
IC001-53	63ZZZZ					
IC001-55	63ZZZZ					
IC001-56	63ZZZZ					
IC001-60	63ZZZZ					
IC001-61	63ZZZZ					
IC001-62	63ZZZZ					
IC001-63	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC001-65	63ZZZZ					
IC001-66	63ZZZZ					
IC001-67	63ZZZZ					
IC001-68	63ZZZZ					
IC001-69	63ZZZZ					
IC001-70	63ZZZZ					
IC001-71	63ZZZZ					
IC001-72	63ZZZZ					
IC001-74	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
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Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC001-75	63ZZZZ					
IC001-76	63ZZZZ					
IC001-77	63ZZZZ					
IC001-78	63ZZZZ					
IC001-79	63ZZZZ					
IC001-81	63ZZZZ					
IC001-82	63ZZZZ					
IC001-83	63ZZZZ					
IC001-84	63ZZZZ					
IC001-85	63ZZZZ					

Date:	1/19/2022
Permit No.:	**O1659**
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Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC001-86	63ZZZZ					
IC001-87	63ZZZZ					
IC001-88	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC002-1	63ZZZZ					
IC002-3	63ZZZZ					
IC002-4	63ZZZZ					
IC002-5	63ZZZZ					
IC002-6	63ZZZZ					
IC002-7	63ZZZZ					
IC002-8	63ZZZZ					
IC002-9	63ZZZZ					
IC002-10	63ZZZZ					
IC002-11	63ZZZZ					

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC002-12	63ZZZZ					
IC002-13	63ZZZZ					
IC002-14	63ZZZZ					
IC002-15	63ZZZZ					
IC002-16	63ZZZZ					
IC002-17	63ZZZZ					
IC002-18	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
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Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC003-1	63ZZZZ					
IC003-4	63ZZZZ					
IC003-5	63ZZZZ					
IC003-6	63ZZZZ					
IC003-8	63ZZZZ					
IC003-9	63ZZZZ					
IC003-10	63ZZZZ					
IC003-11	63ZZZZ					
~~IC003-13~~ IC-DF90045	63ZZZZ					

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
~~IC003-14~~ IC-DF90048	63ZZZZ					
IC003-16	63ZZZZ					
IC003-17	63ZZZZ					
IC003-18	63ZZZZ					
IC003-19	63ZZZZ					
IC003-20	63ZZZZ					
IC003-21	63ZZZZ					
~~IC003-22~~ IC-DF90140	63ZZZZ					
IC003-24	63ZZZZ					

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC003-25	63ZZZZ					
IC004-26	63ZZZZ					
IC003-27	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
IC004-1	63ZZZZ					
IC004-2	63ZZZZ					
IC004-3	63ZZZZ					
IC004-5	63ZZZZ					
IC004-6	63ZZZZ					
IC004-7	63ZZZZ					
IC004-8	63ZZZZ					

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NOTE: MACT ZZZZ Requirements for crankcase ventilation, performance testing, emissions controls, operating limits, or installing monitoring/shutdown systems are not applicable for any of Fort. Hood's engines. Therefore, all items in Table 2c are left blank.

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC001-5	63ZZZZ					
IC001-8	63ZZZZ					
IC001-9	63ZZZZ					
IC001-13	63ZZZZ					
IC001-14	63ZZZZ					
IC001-16	63ZZZZ					
IC001-18	63ZZZZ					
IC001-21	63ZZZZ					
IC001-22	63ZZZZ					
IC001-24	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC001-25	63ZZZZ					
IC001-30	63ZZZZ					
IC001-36	63ZZZZ					
IC001-43	63ZZZZ					
IC001-44	63ZZZZ					
IC001-46	63ZZZZ					
IC001-47	63ZZZZ					
IC001-48	63ZZZZ					
IC001-49	63ZZZZ					
IC001-51	63ZZZZ					
IC001-53	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC001-55	63ZZZZ					
IC001-56	63ZZZZ					
IC001-60	63ZZZZ					
IC001-61	63ZZZZ					
IC001-62	63ZZZZ					
IC001-65	63ZZZZ					
IC001-66	63ZZZZ					
IC001-67	63ZZZZ					
IC001-68	63ZZZZ					
IC001-69	63ZZZZ					
IC001-70	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC001-71	63ZZZZ					
IC001-72	63ZZZZ					
IC001-74	63ZZZZ					
IC001-75	63ZZZZ					
IC001-76	63ZZZZ					
IC001-77	63ZZZZ					
IC001-78	63ZZZZ					
IC001-79	63ZZZZ					
IC001-81	63ZZZZ					
IC001-82	63ZZZZ					
IC001-83	63ZZZZ					

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Date:	1/19/2022
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Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC001-84	63ZZZZ					
IC001-85	63ZZZZ					
IC001-86	63ZZZZ					
IC001-87	63ZZZZ					
IC001-88	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC002-1	63ZZZZ					
IC002-3	63ZZZZ					
IC002-4	63ZZZZ					
IC002-5	63ZZZZ					
IC002-6	63ZZZZ					
IC002-7	63ZZZZ					
IC002-8	63ZZZZ					
IC002-9	63ZZZZ					
IC002-10	63ZZZZ					
IC002-11	63ZZZZ					
IC002-12	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC002-13	63ZZZZ					
IC002-14	63ZZZZ					
IC002-15	63ZZZZ					
IC002-16	63ZZZZ					
IC002-17	63ZZZZ					
IC002-18	63ZZZZ					

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC003-1	63ZZZZ					
IC003-4	63ZZZZ					
IC003-5	63ZZZZ					
IC003-6	63ZZZZ					
IC003-8	63ZZZZ					
IC003-9	63ZZZZ					
IC003-10	63ZZZZ					
IC003-11	63ZZZZ					
~~IC003-13~~ IC-DF90145	63ZZZZ					
~~IC003-14~~ IC-DF90048	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC003-16	63ZZZZ					
IC003-17	63ZZZZ					
IC003-18	63ZZZZ					
IC003-19	63ZZZZ					
IC003-20	63ZZZZ					
IC003-21	63ZZZZ					
~~IC003-22~~ IC-DF90140	63ZZZZ					
IC003-24	63ZZZZ					
IC003-25	63ZZZZ					
IC003-26	63ZZZZ					
IC003-27	63ZZZZ					

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Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
IC004-1	63ZZZZ					
IC004-2	63ZZZZ					
IC004-3	63ZZZZ					
IC004-5	63ZZZZ					
IC004-6	63ZZZZ					
IC004-7	63ZZZZ					
IC004-8	63ZZZZ					

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Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subchapter JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

NOTE: The Facility has other RICEs where the RICE NESHAP only requires compliance with NSPS Subpart JJJJ; however, there are no applicable requirements since these emergency engine (>25hp) were manufactured prior to January 1, 2009 and installed prior to January 1, 2011. EPA expects a future rulemaking on this category of engines.

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
IC003-4	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
IC003-19	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
IC003-21	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
~~IC003-22~~ IC-DF90140	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
IC003-24	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
IC003-25	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
IC003-26	60JJJJ	Yes	No	No	No	25-100E	NATGAS			CON
IC003-27	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON
IC004-8	60JJJJ	Yes	No	No	No	130-500E	NATGAS			CON

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subchapter JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
IC003-4	60JJJJ	N0109+E		Yes	Yes		EMERG		
IC003-19	60JJJJ	N0109-E		Yes	Yes		EMERG		
IC003-21	60JJJJ	N0111+E		Yes	Yes		EMERG		
~~IC003-22~~ IC-DF90140	60JJJJ	N0111+E		Yes	Yes		EMERG		
IC003-24	60JJJJ	N09-10E		Yes	Yes		EMERG		
IC003-25	60JJJJ	N0111+E		Yes	Yes		EMERG		
IC003-26	60JJJJ	N0109+E		Yes	Yes		EMERG		
IC003-27	60JJJJ	N0111+E		Yes	Yes		EMERG		
IC004-8	60JJJJ	N0111+E		Yes	Yes		EMERG		

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

NOTE: IC003, IC004, and all other IC001 and IC002 engines commenced construction, reconstruction, or modification prior to the applicability date for Subpart IIII.

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC001-46	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-48	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-49	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-53	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-55	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-56	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-60	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-61	60IIII	2005+	NONE	FIRE	CON	0706+
IC001-62	60IIII	2005+	NONE	FIRE	CON	0706+

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 10)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC001-65	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-66	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-67	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-68	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-69	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-70	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-71	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-72	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-74	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-75	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-76	60IIII	2005+	NONE	EMERG	CON	0406+

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC001-77	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-78	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-79	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-81	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-82	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-83	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-84	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-85	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-86	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-87	60IIII	2005+	NONE	EMERG	CON	0406+
IC001-88	60IIII	2005+	NONE	EMERG	CON	0406+

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 10)
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Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC002-3	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-4	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-5	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-10	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-11	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-12	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-13	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-14	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-15	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-16	60IIII	2005+	NONE	EMERG	CON	0406+

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
IC002-17	60IIII	2005+	NONE	EMERG	CON	0406+
IC002-18	60IIII	2005+	NONE	EMERG	CON	0406+

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC001-46	60IIII	DIESEL		10-		2007	
IC001-48	60IIII	DIESEL		10-		2007	
IC001-49	60IIII	DIESEL		10-		2008	
IC001-53	60IIII	DIESEL		10-		2008	
IC001-55	60IIII	DIESEL		10-		2007	
IC001-56	60IIII	DIESEL		10-		2009	
IC001-60	60IIII	DIESEL		10-		2013	
IC001-61	60IIII	DIESEL		10-		2013	
IC001-62	60IIII	DIESEL		10-		2013	
IC001-65	60IIII	DIESEL		10-		2010	

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC001-66	60IIII	DIESEL		10-		2013	
IC001-67	60IIII	DIESEL		10-		2010	
IC001-68	60IIII	DIESEL		10-		2014	
IC001-69	60IIII	DIESEL		10-		2014	
IC001-70	60IIII	DIESEL		10-		2013	
IC001-71	60IIII	DIESEL		10-		2014	
IC001-72	60IIII	DIESEL		10-		2013	
IC001-74	60IIII	DIESEL		10-		2014	
IC001-75	60IIII	DIESEL		10-CS		2016	
IC001-76	60IIII	DIESEL		10-CS		2015	

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC001-77	60IIII	DIESEL		10-		2019	
IC001-78	60IIII	DIESEL		10-		2018	
IC001-79	60IIII	DIESEL		10-		2018	
IC001-81	60IIII	DIESEL		10-		2019	
IC001-82	60IIII	DIESEL		10-			
IC001-83	60IIII	DIESEL		10-		2020	
IC001-84	60IIII	DIESEL		10-			
IC001-85	60IIII	DIESEL		10-		2020	
IC001-86	60IIII	DIESEL		10-		2020	
IC001-87	60IIII	DIESEL		10-		2015	
IC001-88	60IIII	DIESEL		10-		2012	

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC002-3	60IIII	DIESEL		10-		2007	
IC002-4	60IIII	DIESEL		10-		2007	
IC002-5	60IIII	DIESEL		10-		2007	
IC002-10	60IIII	DIESEL		10-		2012	
IC002-11	60IIII	DIESEL		10-		2012	
IC002-12	60IIII	DIESEL		10-		2012	
IC002-13	60IIII	DIESEL		10-		2012	
IC002-14	60IIII	DIESEL		10-		2014	
IC002-15	60IIII	DIESEL		10-		2013	
IC002-16	60IIII	DIESEL		10-		2017+	

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
IC002-17	60IIII	DIESEL		10-			
IC002-18	60IIII	DIESEL		10-		2009	

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	Standards	Compliance Option	PM Compliance	Options
IC001-46	60IIII	E130-68		NO	MANU YES		
IC001-48	60IIII	E130-68		NO	MANU YES		
IC001-49	60IIII	E130-68		NO	MANU YES		
IC001-53	60IIII	E75-130		NO	MANU YES		
IC001-55	60IIII	E130-68		NO	MANU YES		
IC001-56	60IIII	E130-68		NO	MANU YES		
IC001-60	60IIII	F130-368		NO	MANU YES		
IC001-61	60IIII	F130-368		NO	MANU YES		
IC001-62	60IIII	F130-368		NO	MANU YES		
IC001-65	60IIII	E130-368		NO	MANU YES		

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	Standards	Compliance Option	PM Compliance	Options
IC001-66	60IIII	E130-368		NO	MANU YES		
IC001-67	60IIII	E130-368		NO	MANU YES		
IC001-68	60IIII	E130-368		NO	MANU YES		
IC001-69	60IIII	E75-130		NO	MANU YES		
IC001-70	60IIII	E130-368		NO	MANU YES		
IC001-71	60IIII	E37-75		NO	MANU YES		
IC001-72	60IIII	E37-75		NO	MANU YES		
IC001-74	60IIII	E37-75		NO	MANU YES		
IC001-75	60IIII	E75-130		NO	MANU YES		
IC001-76	60IIII	E130-368		NO	MANU YES		

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	Standards	Compliance Option	PM Compliance	Options
IC001-77	60IIII	E130-368		NO	MANU YES		
IC001-78	60IIII	E37-75		NO	MANU YES		
IC001-79	60IIII	E37-75		NO	MANU YES		
IC001-81	60IIII	E130-368		NO	MANU YES		
IC001-82	60IIII	E130-368		NO	MANU YES		
IC001-83	60IIII	E37-75		NO	MANU YES		
IC001-84	60IIII	E75-130		NO	MANU YES		
IC001-85	60IIII	E75-130		NO	MANU YES		
IC001-86	60IIII	E130-368		NO	MANU YES		
IC001-87	60IIII	E37-75		NO	MANU YES		
IC001-88	60IIII	E37-75		NO	MANU YES		

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
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Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	Standards	Compliance Option	PM Compliance	Options
IC002-3	60IIII	E560-2237		NO	MANU YES		
IC002-4	60IIII	E560-2237		NO	MANU YES		
IC002-5	60IIII	E560-2237		NO	MANU YES		
IC002-10	60IIII	E560-2237		NO	MANU YES		
IC002-11	60IIII	E560-2237		NO	MANU YES		
IC002-12	60IIII	E560-2237		NO	MANU YES		
IC002-13	60IIII	E560-2237		NO	MANU YES		
IC002-14	60IIII	E560-2237		NO	MANU YES		
IC002-15	60IIII	E368-560		NO	MANU YES		
IC002-16	60IIII	E560-2237		NO	MANU YES		

Texas Commission on Environmental Quality
Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date:	1/19/2022
Permit No.:	**O1659**
Regulated Entity No.:	**101612083**

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	Standards	Compliance Option	PM Compliance	Options
IC002-17	60IIII	E368-500		NO	MANU YES		
IC002-18	60IIII	E368-560		NO	MANU YES		

FORM OP-UA3 – STORAGE TANK/VESSEL ATTRIBUTES

Texas Commission on Environmental Quality
Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
NOTE: ST006A, ST006B, ST006C, ST006D, and ST006E have had their contents replaced from JP8 fuel to F24 aviation fuel.

Date	Permit No.	Regulated Entity No.
1/19/2022	O1659	RN101612083

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	Maximum TVP	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Control Device ID No.
FS020A	60Kb-1	PTLQ-3	10K-20K					
FS020B	60Kb-1	PTLQ-3	10K-20K					
FS021A	V-1	GASTN						
FS022A	60Kb-1	PTLQ-3	10K-20K					
ST005H	60Kb-1	PTLQ-3	20K-40K	2.2-				
ST005I	60Kb-1	PTLQ-3	20K-40K	2.2-				
ST005J	60Kb-1	PTLQ-3	20K-40K	2.2-				
ST006A (Removed)	60Kb-1	PTLQ-3	20K-40K	2.2-				
ST006B (Out of service)	60Kb-1	PTLQ-3	20K-40K	2.2-				
ST006C	60Kb-1	PTLQ-3	20K-40K	2.2-				
ST006D	60Kb-1	PTLQ-3	20K-40K	2.2-				

NOTE: Please refer to Table 7.1-2 in Section 7.1 of EPA AP-42 (06/18) for representative 'Jet A' psia.

Texas Commission on Environmental Quality
Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)

Date	Permit No.	Regulated Entity No.
1/19/2022	O1659	RN101612083

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	Maximum TVP	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Control Device ID No.
ST006E	60Kb-1	PTLQ-3	20K-40K	2.2-				

FORM OP-UA4 – LOADING/UNLOADING OPERATIONS ATTRIBUTE

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date	Permit No.:	Regulated Entity No.
1/19/2022	O1659	RN101612083

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
FS020	115C	MOTOR							
FS021	115C	MOTOR							
FS022	115C	MOTOR							

FORM OP-UA6 – BOILER/STEAM GENERATOR/STEAM GENERATING UNIT ATTRIBUTES

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/ Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
EC001	112-1	78+	NO	NO	250-						

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program

Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
EC001	112-1	05+CR	100-					

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Other Subparts	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
EC001	112-1	05+	10-100	NONE	10-30	NG	DOIL	OIL	OTHR	OTHR	NO

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 12)
Federal Operating Permit Program

Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Monitoring Type PM	Monitoring Type SO_2 Inlet	Monitoring Type SO_2 Outlet	Technology Type	43CE-Option	47C-Option
EC001	112-1	CEMS		CEM	CONV		

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 18)
Federal Operating Permit Program

Table 7: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112) Control of Air Pollution from Sulfur Compounds

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Unit ID No.	SOP Index No.	Fuel Type	Date of Operation	Heat Input	Control Equipment	FCAA § 412(c)	Stack Height
EC001	112-1	LQD					

FORM OP-UA18 – SURFACE COATING OPERATIONS ATTRIBUTES

Texas Commission on Environmental Quality
Surface Coating Operations Attributes
Form OP-UA18 (Page 12)
Federal Operating Permit Program

Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63) Subpart GG: National Emission Standards for Aerospace Manufacturing and Rework Facilities

Date:	**1/19/2022**
Permit No.:	**O1659**
Regulated Entity No.:	**RN101612083**

Process ID No.	SOP Index No.	Contains Operations Identified in 40 CFR § 63.741(c)	40 CFR § 63.741(f) Exemption	Application Type	No Longer Operational	HAP and VOC Less Than Content Limits
SC021	63GG	YES	YES			

FORM OP-REQ1 – AREA-WIDE APPLICABILITY DETERMINATIONS AND GENERAL INFORMATION

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	01/14/2022
Permit No.:	O1659
RN No.:	RN101612083

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Form OP-REQ1: Page 1			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter**		
	A.	**Visible Emissions**	
♦	1.	The application area includes stationary vents constructed on or before January 31, 1972.	☒YES ☐NO
♦	2.	The application area includes stationary vents constructed after January 31, 1972. *If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.* *If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.*	☒YES ☐NO
♦	3.	The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	☒YES ☐NO
♦	4.	All stationary vents are addressed on a unit specific basis.	☐YES ☒NO
♦	5.	Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	☒YES ☐NO
♦	6.	The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	☒YES ☐NO
♦	7.	The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	☒YES ☐NO
♦	8.	Emissions from units in the application area include contributions from uncombined water.	☒YES ☐NO
♦	9.	The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c).	☐YES ☐NO ☒N/A

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Form OP-REQ1: Page 2				
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**			
	B.	**Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots**		
	1.	Items a - d determines applicability of any of these requirements based on geographical location.		
♦		a.	The application area is located within the City of El Paso.	☐YES ☒NO
♦		b.	The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.	☐YES ☒NO
♦		c.	The application area is located in the portion of Harris County inside the loop formed by Beltway 8.	☐YES ☒NO
♦		d.	The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988.	☐YES ☒NO
		If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.		
	2.	Items a - d determine the specific applicability of these requirements.		
♦		a.	The application area is subject to 30 TAC § 111.143.	☐YES ☐NO
♦		b.	The application area is subject to 30 TAC § 111.145.	☐YES ☐NO
♦		c.	The application area is subject to 30 TAC § 111.147.	☐YES ☐NO
♦		d.	The application area is subject to 30 TAC § 111.149.	☐YES ☐NO
	C.	**Emissions Limits on Nonagricultural Processes**		
♦	1.	The application area includes a nonagricultural process subject to 30 TAC § 111.151.		☒YES ☐NO
	2.	The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements. *If the response to Question I.C.2 is "NO," go to Question I.C.4.*		☐YES ☒NO
	3.	All vents from nonagricultural process in the application area are subject to additional monitoring requirements.		☐YES ☐NO

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Form OP-REQ1: Page 3			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	C.	**Emissions Limits on Nonagricultural Processes (continued)**	
	4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	☐YES ☒NO
	5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.5 is "NO," go to Question I.C.7.*	☐YES ☒NO
	6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	☐YES ☒NO
	8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.8 is "NO," go to Section I.D.*	☐YES ☒NO
	9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	D.	**Emissions Limits on Agricultural Processes**	
	1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	☐YES ☒NO
	E.	**Outdoor Burning**	
♦	1.	Outdoor burning is conducted in the application area. *If the response to Question I.E.1 is "NO," go to Section II.*	☒YES ☐NO
♦	2.	Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	☒YES ☐NO
♦	3.	Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	☒YES ☐NO
♦	4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	☐YES ☒NO

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Form OP-REQ1: Page 4			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	E.	**Outdoor Burning (continued)**	
♦	5.	Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	☒YES ☐NO
♦	6.	Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	☐YES ☒NO
♦	7.	The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	☐YES ☒NO
II.	**Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds**		
	A.	**Temporary Fuel Shortage Plan Requirements**	
	1.	The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	☒YES ☐NO
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. *See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.*	☒YES ☐NO
	B.	**Storage of Volatile Organic Compounds**	
♦	1.	The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere.	☐YES ☒NO

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	C.	**Industrial Wastewater**	
	1.	The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. *If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.*	☐YES ☐NO ☒N/A
	2.	The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. *If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.*	☐YES ☐NO
	3.	The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). *If the response to Question III.C.3 is "YES," go to Section III.D.*	☐YES ☐NO
	4.	The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). *If the response to Question III.C.4 is "YES," go to Section III.D.*	☐YES ☐NO
	5.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	☐YES ☐NO
	6.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	☐YES ☐NO
	7.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	☐YES ☐NO
	D.	**Loading and Unloading of VOCs**	
♦	1.	The application area includes VOC loading operations.	☒YES ☐NO
♦	2.	The application area includes VOC transport vessel unloading operations. *For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.*	☒YES ☐NO

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	D.	**Loading and Unloading of VOCs (continued)**	
♦	3.	Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.	☐YES ☒NO
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. *If the response to Question III.E.1 is "NO," go to Section III.F.*	☒YES ☐NO
♦	2.	Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐YES ☒NO
♦	3.	All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. *If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.*	☐YES ☒NO
♦	4.	The application area is located in a covered attainment county as defined in 30 TAC § 115.10. *If the response to Question III.E.4 is "NO," go to Question III.E.9.*	☒YES ☐NO
♦	5.	Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☒YES ☐NO
♦	6.	Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☒YES ☐NO
♦	7.	At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. *If the response to Question III.E.7 is "YES," go to Section III.F.*	☒YES ☐NO

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Form OP-REQ1: Page 7			
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**	
♦	8.	At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.*	☐YES ☐NO
♦	9.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☐NO
♦	10.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☐NO
♦	11.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☐YES ☐NO
♦	12.	At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐YES ☐NO
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**	
♦	1.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)**	
♦	2.	Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐YES ☐NO ☐N/A
♦	3.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A
	G.	**Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. *If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	☐YES ☐NO
♦	3.	The application area includes facilities that began construction prior to November 15, 1992. *If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.*	☐YES ☐NO
♦	4.	The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☐YES ☐NO
♦	5.	The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	H.	**Control Of Reid Vapor Pressure (RVP) of Gasoline**	
♦	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐YES ☐NO
♦	3.	The application area includes a motor vehicle fuel dispensing facility.	☐YES ☐NO
♦	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐YES ☐NO
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐YES ☒NO
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
♦	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	K.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.K.1 is "N/A," go to Section III.L.*	☐YES ☐NO ☒N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐YES ☐NO ☐N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐YES ☐NO
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.K.4 is "NO," go to Section III.L.*	☐YES ☐NO
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐YES ☐NO
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐YES ☐NO
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☐YES ☐NO
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels**	
♦	1.	The application area includes degassing operations for stationary, marine, and/or transport vessels. *If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.*	☐YES ☐NO ☒N/A
♦	2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.L.2 is "YES," go to Section III.M.*	☐YES ☐NO ☐N/A

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III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)

L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)

♦	3.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☐N/A
♦	4.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☐N/A
♦	5.	Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO
♦	6.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☐NO ☐N/A
♦	7.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐YES ☐NO ☐N/A

M. Petroleum Dry Cleaning Systems

	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐YES ☐NO ☒N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
N.	**Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)**		
1.	The application area includes one or more vent gas streams containing HRVOC.	☐YES ☒NO ☐N/A	
2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.*	☐YES ☒NO ☐N/A	
3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐YES ☐NO	
4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.*	☐YES ☐NO	
5.	The application area contains pressure relief valves that are not controlled by a flare.	☐YES ☐NO	
6.	The application area has at least one vent stream which has no potential to emit HRVOC.	☐YES ☐NO	
7.	The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☐YES ☐NO	
O.	**Cooling Tower Heat Exchange Systems (HRVOC)**		
1.	The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☐YES ☒NO ☐N/A	

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "YES," go to Question IV.H.1.*	☐YES ☒NO
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "YES," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.*	☐YES ☒NO
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "NO," go to Question IV.C.1.*	☐YES ☐NO
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
♦	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.*	☐YES ☐NO
♦	2.	The application area is located at a site that was a major source of NO_X before November 15, 1992.	☐YES ☐NO ☐N/A
♦	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐YES ☐NO
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐YES ☐NO ☐N/A
	E.	**Nitric Acid Manufacturing - Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐YES ☐NO ☐N/A
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
♦	1.	The application area is located at a site that is a minor source of NO_X in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). *For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.*	☐YES ☐NO
♦	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐YES ☐NO
♦	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐YES ☐NO
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐YES ☐NO
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "NO," go to Section IV.G.*	☐YES ☐NO
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐YES ☐NO
	8.	An ACSS for ammonia (NH_3) has been approved?	☐YES ☐NO
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO," go to Question IV.H.1.*	☐YES ☐NO
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐YES ☐NO
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "NO," go to Section V.*	☒YES ☐NO
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐YES ☒NO

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products**		
	A.	**Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**	
	1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐YES ☒NO
	2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.*	☐YES ☒NO
	3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐YES ☐NO
	B.	**Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products**	
	1.	The application area manufactures consumer products for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐YES ☒NO
	3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.*	☐YES ☒NO
	4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐YES ☐NO

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**		
	C.	**Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**	
	1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.*	☐YES ☒NO
	3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐YES ☐NO
	D.	**Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**	
	1.	The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐YES ☒NO
	E.	**Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**	
	1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.E.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐YES ☐NO
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "NO," go to Section VII.*	☒YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
	1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "NO," go to Section VI.C.*	☐YES ☒NO
	2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "NO," go to Section VI.C.*	☐YES ☐NO
	3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3 is "YES," go to Section VI.C.*	☐YES ☐NO
	4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4 is "NO," go to Section VI.C.*	☐YES ☐NO
	5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐YES ☐NO
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
♦	1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.*	☐YES ☐NO ☐N/A
♦	2.	One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. *If the response to Question VI.C.2 is "NO," go to Section VI.D.*	☐YES ☐NO
♦	3.	One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐YES ☐NO
♦	4.	The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐YES ☐NO
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "NO," go to Section VI.E.*	☐YES ☒NO ☐N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐YES ☐NO
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.*	☐YES ☒NO
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.*	☐YES ☐NO
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.*	☐YES ☐NO

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)

E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)

♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.*	☐YES ☐NO
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	

F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "NO," go to Section VI.G.*	☐YES ☒NO
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐YES ☐NO

G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems

	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "NO," go to Section VI.H.*	☐YES ☒NO
	2.	The application area includes storm water sewer systems.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)**	
	3.	The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐YES ☐NO
	4.	The application area includes non-contact cooling water systems.	☐YES ☐NO
	5.	The application area includes individual drain systems. *If the response to Question VI.G.5 is "NO," go to Section VI.H.*	☐YES ☐NO
	6.	The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐YES ☐NO
	7.	The application area includes completely closed drain systems.	☐YES ☐NO
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004**	
♦	1.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.H.4 is "NO," go to Section VI.I.*	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)**	
♦	5.	The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. *If the response to Question VI.H.5 is "NO," go to Question VI.H.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001**	
♦	1.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)**	
♦	3.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.I.4 is "NO," go to Section VI.J.*	☐YES ☐NO
♦	5.	The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. *If the response to Question VI.I.5 is "NO," go to VI.I.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)

J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006

♦	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. *If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.*	☐YES ☐NO ☒N/A
♦	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.J.4 is "NO," go to Section VI.K.*	☐YES ☐NO
♦	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. *If the response to Question VI.J.5 is "NO," go to Question VI.J.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)**		
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)**	
♦	8.	All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	9.	The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	☐YES ☐NO
♦	10.	The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
	K.	**Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution**	
♦	1.	The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO.	☐YES ☒NO
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. *If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.*	☒YES ☐NO ☐N/A
	B.	**Subpart F - National Emission Standard for Vinyl Chloride**	
	1.	The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	☐YES ☒NO
	C.	**Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)**	
♦	1.	The application area includes equipment in benzene service.	☐YES ☐NO ☐N/A

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VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	D.	**Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants**	
	1.	The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "NO," go to Section VII.E.*	☐YES ☒NO
	2.	The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐YES ☐NO
	3.	The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐YES ☐NO
	E.	**Subpart M - National Emission Standard for Asbestos**	
		Applicability	
	1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. *If the response to Question VII.E.1 is "NO," go to Section VII.F.*	☒YES ☐NO
		Roadway Construction	
	2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☒YES ☐NO
		Manufacturing Commercial Asbestos	
	3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "NO," go to Question VII.E.4.*	☐YES ☒NO
		a. Visible emissions are discharged to outside air from the manufacturing operation	☐YES ☐NO
		b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐YES ☐NO

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
E. Subpart M - National Emission Standard for Asbestos (continued)		
***Manufacturing Commercial Asbestos* (continued)**		
c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
f.	A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐YES ☐NO
g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Asbestos Spray Application		
4.	The application area includes operations in which asbestos-containing materials are spray applied. *If the response to Question VII.E.4 is "NO," go to Question VII.E.5.*	☐YES ☒NO
a.	Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. *If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.*	☐YES ☐NO
b.	Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐YES ☐NO
c.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 28		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
E. Subpart M - National Emission Standard for Asbestos (continued)		
***Asbestos Spray Application* (continued)**		
d.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
e.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
f.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
g.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
h.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Fabricating Commercial Asbestos		
5.	The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.*	☐YES ☒NO
a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐YES ☐NO
b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO
c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO

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Form OP-REQ1: Page 29		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
E.	**Subpart M - National Emission Standard for Asbestos (continued)**	
	***Fabricating Commercial Asbestos* (continued)**	
	f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
	g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
	Non-sprayed Asbestos Insulation	
	6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	☐YES ☒NO
	Asbestos Conversion	
	7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐YES ☒NO
F.	**Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities**	
	1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐YES ☒NO
G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations**	
	1. The application area is located at a benzene production facility and/or bulk terminal. *If the response to Question VII.G.1 is "NO," go to Section VII.H.*	☐YES ☒NO
	2. The application area includes benzene transfer operations at marine vessel loading racks.	☐YES ☐NO

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Form OP-REQ1: Page 30		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)		
3.	The application area includes benzene transfer operations at railcar loading racks.	☐YES ☐NO
4.	The application area includes benzene transfer operations at tank-truck loading racks.	☐YES ☐NO
H. Subpart FF - National Emission Standard for Benzene Waste Operations		
Applicability		
1.	The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐YES ☒NO
2.	The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). *If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.*	☐YES ☒NO
3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "YES," go to Section VIII.*	☐YES ☐NO
4.	The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). *If the response to Question VII.H.4 is "YES," go to Section VIII*	☐YES ☐NO
5.	The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "YES," go to Section VIII.*	☐YES ☐NO

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Form OP-REQ1: Page 31		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
***Applicability* (continued)**		
6.	The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☐YES ☐NO
7.	The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☐YES ☐NO
Waste Stream Exemptions		
8.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐YES ☐NO
9.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐YES ☐NO
10.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐YES ☐NO
11.	The application area transfers waste off-site for treatment by another facility.	☐YES ☐NO
12.	The application area is complying with 40 CFR § 61.342(d).	☐YES ☐NO
13.	The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13 is "NO," go to Question VII.H.15.*	☐YES ☐NO
14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐YES ☐NO

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Form OP-REQ1: Page 32		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
Container Requirements		
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "NO," go to Question VII.H.18.*	☐YES ☐NO
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "YES," go to Question VII.H.18.*	☐YES ☐NO
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
Individual Drain Systems		
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "NO," go to Question VII.H.25.*	☐YES ☐NO
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "YES," go to Question VII.H.25.*	☐YES ☐NO
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "NO," go to Question VII.H.22.*	☐YES ☐NO
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO

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Form OP-REQ1: Page 33			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Individual Drain Systems* (continued)**	
	22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "NO," go to Question VII.H.25.*	☐YES ☐NO
	23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
	24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
		Remediation Activities	
	25.	Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	☐YES ☐NO
VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒YES ☐NO
	B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
	1.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.B.1 is "NO," go to Section VIII.D.*	☐YES ☒NO

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Form OP-REQ1: Page 34		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)		
2.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). *If the response to Question VIII.B.2 is "NO," go to Section VIII.D.*	☐YES ☐NO
3.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
4.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
5.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.*	☐YES ☐NO

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Form OP-REQ1: Page 35		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater		
Applicability		
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "NO," go to Section VIII.D.*	☐YES ☐NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐YES ☐NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	☐YES ☐NO
5.	The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
Vapor Collection and Closed Vent Systems		
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	☐YES ☐NO
7.	Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐YES ☐NO

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Form OP-REQ1: Page 36		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Reloading or Cleaning of Railcars, Tank Trucks, or Barges		
8.	The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. *If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.*	☐YES ☐NO
9.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐YES ☐NO
10.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐YES ☐NO
Transfer Racks		
11.	The application area includes Group 1 transfer racks that load organic HAPs.	☐YES ☐NO
Process Wastewater Streams		
12.	The application area includes process wastewater streams. *If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
13.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.*	☐YES ☐NO
14.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐YES ☐NO
15.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.*	☐YES ☐NO

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Form OP-REQ1: Page 37		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
16.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐YES ☐NO
17.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.*	☐YES ☐NO
18.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐YES ☐NO
19.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐YES ☐NO
20.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐YES ☐NO
21.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐YES ☐NO
22.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐YES ☐NO
23.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐YES ☐NO

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Form OP-REQ1: Page 38		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.*	☐YES ☐NO
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.*	☐YES ☐NO
26.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
27.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.*	☐YES ☐NO
29.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
30.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)

Drains

31.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
33.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
36.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C.	**Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)**	
	***Drains* (continued)**	
	37. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
	38. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
	Gas Streams	
	39. The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐YES ☐NO
	40. The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐YES ☐NO
D.	**Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**	
	1. The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐YES ☒NO

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

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Form OP-REQ1: Page 41		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
E.	**Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities**	
1.	The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. *If the response to Question VIII.E.1 is "NO," go to Section VIII.F.*	☐YES ☒NO
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "NO," go to Section VIII.F.*	☐YES ☐NO
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "NO," go to Section VIII.G.*	☐YES ☒NO
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐YES ☐NO
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☐YES ☒NO
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.*	☐YES ☒NO
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)**	
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.*	☐YES ☐NO
5.	An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. *If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
6.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
7.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.7 is "YES," go to Section VIII.H.*	☐YES ☐NO
8.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.8 is "YES," go to Section VIII.H.*	☐YES ☐NO
9.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.*	☐YES ☐NO
10.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.10 is "NO," go to Section VIII.H.*	☐YES ☐NO
11.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry

1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "NO," go to Section VIII.I.*	☐YES ☒NO
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "NO," go to Section VIII.I.*	☐YES ☐NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "NO," go to Section VIII.I.*	☐YES ☐NO
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐YES ☐NO
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐YES ☐NO
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "NO," go to Section VIII.I.*	☐YES ☐NO
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐YES ☐NO
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning

1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐YES ☒NO
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO

J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins

1.	The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "NO," go to Section VIII.K.*	☐YES ☒NO
2.	Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "NO," go to Section VIII.K.*	☐YES ☐NO
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO
4.	The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)

5.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.*	☐YES ☐NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.*	☐YES ☐NO
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	Containers	
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
12.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "NO," go to Section VIII.K.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "NO," go to Section VIII.K.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	***Drains* (continued)**	
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.*	☐YES ☒NO ☐N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.*	☐YES ☐NO ☒N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐YES ☐NO
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☐YES ☒NO
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "NO," go to Section VIII.O.*	☐YES ☒NO
2.	All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "YES," go to Section VIII.O.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)

***Applicability* (continued)**

3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "NO," go to Section VIII.O.*	☐YES ☐NO
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "NO," go to Section VIII.O.*	☐YES ☐NO
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "NO," go to Section VIII.O.*	☐YES ☐NO
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "NO," go to Section VIII.O.*	☐YES ☐NO
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐YES ☐NO
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P*	☐YES ☒NO ☐N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐YES ☐NO
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)

4.	The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	☐YES ☐NO
5.	The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality."	☐YES ☐NO
6.	The predominant activity in the application area is the treatment of wastewater received from off-site.	☐YES ☐NO
7.	The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	☐YES ☐NO
8.	The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	☐YES ☐NO
9.	The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	☐YES ☐NO
10.	The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. *If the response to Question VIII.O.10 is "YES," go to Section VIII.P.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)

11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.*	☐YES ☐NO
12.	VOHAP concentration is determined by direct measurement.	☐YES ☐NO
13.	VOHAP concentration is based on knowledge of the off-site material.	☐YES ☐NO
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.*	☐YES ☐NO
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐YES ☐NO
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐YES ☐NO
17.	The application area includes containers that manage non-exempt off-site material.	☐YES ☐NO
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
	1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.*	☐YES ☐NO ☒N/A
	2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐YES ☐NO
	Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
♦	1.	The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐YES ☒NO
♦	2.	The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. *For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.* *For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.*	☐YES ☒NO
♦	3.	The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. *For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.*	☐YES ☐NO
♦	4.	The application area is located at a site that is a major source of HAP. *If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)

♦	5.	The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft^3) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. *For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.* *For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.*	☐YES ☐NO
♦	6.	The application area includes a triethylene glycol (TEG) dehydration unit. *For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.*	☐YES ☐NO
♦	7.	The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐YES ☐NO
♦	8.	The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐YES ☐NO
♦	9.	Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**	
1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO," go to Section VIII.S.*	☐YES ☒NO
2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐YES ☐NO
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**	
1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.*	☐YES ☐NO ☒N/A
2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐YES ☐NO
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**	
1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐YES ☒NO ☐N/A
U.	**Subpart PP - National Emission Standards for Containers**	
1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO," go to Section VIII.V.*	☐YES ☒NO
2.	The application area includes containers using Container Level 1 controls.	☐YES ☐NO
3.	The application area includes containers using Container Level 2 controls.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
U.	**Subpart PP - National Emission Standards for Containers (continued)**		
4.	The application area includes containers using Container Level 3 controls.	☐YES	☐NO
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**		
1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐YES	☒NO
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**		
1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	☐YES	☒NO
2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.*	☐YES	☒NO
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐YES	☐NO
4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐YES	☐NO
5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐YES	☐NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.*	☐YES	☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
20.	The application area includes an ethylene production process unit.	☐YES ☒NO ☐N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.*	☐YES ☒NO ☐N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.*	☐YES ☐NO
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐YES ☐NO
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
27.	The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.*	☐YES ☐NO
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐YES ☐NO
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐YES ☐NO
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.*	☐YES ☐NO
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.*	☐YES ☐NO
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.*	☐YES ☐NO
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.*	☐YES ☐NO
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.*	☐YES ☐NO
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.*	☐YES ☐NO
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
54.	The application area contains a cyanide chemicals manufacturing process. *If the response to Question VIII.W.54 is "NO," go to Section VIII.X.*	☐YES ☒NO
55.	The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	☐YES ☐NO

X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins

1.	The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. *If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.*	☐YES ☒NO
2.	The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. *If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.*	☐YES ☐NO
3.	All process wastewater streams generated or managed in the application area are from sources producing polystyrene. *If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.*	☐YES ☐NO
4.	All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. *If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)

5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
	Containers	
	14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
	15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.*	☐YES ☐NO
	16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
	17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
	18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. *If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
	***Drains* (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐YES ☐NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐YES ☐NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
	Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	
	1. The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐YES ☒NO
	Z. Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.	
♦	1. The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐YES ☒NO
	AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)	
	1. The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐YES ☒NO
	2. The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☐YES ☒NO
	3. The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.*	☐YES ☒NO
	4. The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.*	☐YES ☐NO
6.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☐NO
7.	The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

13.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.*	☐YES ☐NO
14.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐YES ☐NO
15.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.*	☐YES ☐NO
16.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐YES ☐NO
17.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
18.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
19.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.*	☐YES ☐NO
20.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

21.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.*	☐YES ☐NO
23.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.*	☐YES ☐NO
24.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐YES ☐NO
25.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	☐YES ☐NO
26.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.		
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐YES ☒NO
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation		
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.*	☒YES ☐NO
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.*	☐YES ☒NO
3.	All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.*	☐YES ☐NO
4.	Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.*	☐YES ☐NO
5.	The site remediation will be completed within 30 consecutive calendar days.	☐YES ☐NO
6.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.*	☐YES ☐NO
7.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐YES ☐NO
8.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)

9.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.*	☐YES ☐NO
10.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐YES ☐NO
11.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐YES ☐NO
12.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐YES ☐NO
13.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐YES ☐NO
14.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐YES ☐NO

DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities

1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.*	☐YES ☒NO
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.*	☐YES ☐NO
3.	Metallic scrap is utilized in the EAF.	☐YES ☐NO
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities

1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "NO," go to Section VIII.FF.*	☒YES ☐NO
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐YES ☒NO
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐YES ☒NO
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.*	☐YES ☒NO
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐YES ☐NO
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.*	☒YES ☐NO
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.*	☒YES ☐NO
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐YES ☐NO
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.*	☐YES ☐NO
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)

	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐YES ☐NO

FF. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.*	☒YES ☐NO
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.*	☒YES ☐NO
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☒YES ☐NO
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☒YES ☐NO

GG. Recently Promulgated 40 CFR Part 63 Subparts

♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒YES ☐NO
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. **40 CFR Part 63, Subparts QQQQ, WWWW, ZZZZ, DDDD, PPPP, and GGGG**	

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐YES ☒NO
X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**		
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐YES ☒NO ☐N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☒YES ☐NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐YES ☒NO ☐N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☒YES ☐NO ☐N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐YES ☒NO ☐N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐YES ☒NO ☐N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐YES ☒NO ☐N/A

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X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**		
	F.	**Subpart F - Recycling and Emissions Reduction**	
♦	1.	Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☒YES ☐NO
♦	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☒YES ☐NO ☐N/A
♦	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐YES ☒NO ☐N/A
	G.	**Subpart G - Significant New Alternatives Policy Program**	
♦	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.*	☐YES ☒NO ☐N/A
♦	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐YES ☐NO ☐N/A
	H.	**Subpart H -Halon Emissions Reduction**	
♦	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☒YES ☐NO ☐N/A
♦	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☐YES ☒NO ☐N/A
XI.	**Miscellaneous**		
	A.	**Requirements Reference Tables (RRT) and Flowcharts**	
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☒YES ☐NO

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XI.	**Miscellaneous (continued)**		
	B.	**Forms**	
♦	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. *If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.*	☒YES ☐NO ☐N/A
♦	2.	Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below.	
	C.	**Emission Limitation Certifications**	
♦	1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☒YES ☐NO
	D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**	
	1.	The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	☐YES ☒NO
	2.	The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	☐YES ☒NO
	3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. *If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.*	☐YES ☒NO
	4.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. *If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.*	☐YES ☒NO

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XI.	**Miscellaneous (continued)**	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐YES ☒NO
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐YES ☒NO
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐YES ☒NO
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "NO," go to Question XI.F.7.*	☐YES ☒NO
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐YES ☐NO
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐YES ☐NO
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐YES ☐NO
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐YES ☒NO

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XI. Miscellaneous (continued)		
G. 40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program		
1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "NO," go to Question XI.G.6.*	☐YES ☒NO
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐YES ☐NO
3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐YES ☐NO
4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐YES ☐NO
5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐YES ☐NO
6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐YES ☒NO
H. Permit Shield (SOP Applicants Only)		
1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒YES ☐NO

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐YES ☐NO
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐YES ☐NO
	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐YES ☐NO
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐YES ☐NO
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐YES ☐NO
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "NO," go to question XI.J.3.*	☐YES ☒NO
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☐NO ☐N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☒NO ☐N/A

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XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X.	☐YES ☒NO
♦	5.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐YES ☒NO
♦	6.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐YES ☒NO
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐YES ☒NO
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☐YES ☒NO
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.*	☒YES ☐NO
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐YES ☒NO

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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "NO," go to Section XI.M.*	☐YES ☒NO
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "NO," go to Section XI.M.*	☐YES ☐NO
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐YES ☐NO
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.*	☐YES ☐NO
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐YES ☐NO
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐YES ☐NO
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "YES," go to Section XI.M.*	☐YES ☐NO

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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES ☐NO
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES ☐NO
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES ☐NO
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐YES ☐NO
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.*	☐YES ☒NO ☐N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.*	☒YES ☐NO

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
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Federal Operating Permit Program

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For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits**	
♦	1.	The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.*	☒YES ☐NO
♦	2.	The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐YES ☒NO
♦	3.	The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☐YES ☒NO
♦	4.	The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐YES ☒NO
♦	5.	The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐YES ☒NO
♦	6.	The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☒YES ☐NO
♦	7.	The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☒YES ☐NO
	8.	The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	9.	The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	10.	The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐YES ☒NO

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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "NO," go to Question XII.B.15.*	☐YES ☒NO
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐YES ☐NO
	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐YES ☐NO
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐YES ☒NO
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐YES ☒NO

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.: N/A	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.: N/A	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 24538	Issuance Date: 2/28/2019	Authorization No.:	Issuance Date:
Authorization No.: 88412	Issuance Date: 7/17/2019	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:
uthorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.: 106.142	Version No./Date: 03/14/1997
PBR No.: 106.142	Version No./Date: 03/23/2006
PBR No.: 106.183	Version No./Date: 06/15/1997
PBR No.: 106.183	Version No./Date: 06/18/1997
BR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.231	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 03/14/1997
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 09/09/1998
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.265	Version No./Date: 09/04/2000
PBR No.: 106.313	Version No./Date: 09/04/2000
PBR No.: 106.371	Version No./Date: 09/04/2000
PBR No: 106.412	Version No./Date: 03/14/1997
PBR No: 106.412	Version No./Date: 09/04/2000
PBR No: 106.418	Version No./Date: 11/26/1997
PBR No: 106.433	Version No./Date: 03/14/1997
PBR No: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 03/14/1997
	[Intentionally left blank]

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PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 3/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.495	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.533	Version No./Date: 03/14/1997
PBR No.: 106.533	Version No./Date: 11/01/2001
PBR No.: 14	Version No./Date: 10/04/1995
PBR No.: 41	Version No./Date: 11/25/1985
PBR No.: 41	Version No./Date: 11/05/1986
PBR No.: 41	Version No./Date: 06/07/1996
PBR No.: 46	Version No./Date: 05/08/1972
PBR No.: 51	Version No./Date: 09/23/1982
PBR No.: 51	Version No./Date: 11/05/1986
PBR No.: 51	Version No./Date: 10/04/1995
PBR No.: 51	Version No./Date: 06/07/1996
PBR No.: 70	Version No./Date: 11/25/1985
PBR No.: 70	Version No./Date: 11/05/1986
PBR No.: 70	Version No./Date: 07/20/1992
PBR No.: 70	Version No./Date: 06/07/1996
PBR No.: 75	Version No./Date: 04/05/1995
	[Intentionally left blank]

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PBR No.: 75	Version No./Date: 06/07/1996
PBR No.: 80	Version No./Date: 12/01/1972
PBR No.: 80	Version No./Date: 09/17/1973
PBR No.: 80	Version No./Date: 01/08/1980
PBR No.: 80	Version No./Date: 09/23/1982
PBR No.: 80	Version No./Date: 06/07/1996
PBR No.: 86	Version No./Date: 10/04/1995
PBR No.: 89	Version No./Date: 05/04/1994
PBR No.: 102	Version No./Date: 05/04/1994
BR No.: 106	Version No./Date: 10/04/1995
PBR No.: 107	Version No./Date: 05/04/1994
PBR No.: 107	Version No./Date: 06/07/1996
PBR No.: 110	Version No./Date: 09/12/1989
PBR No.: 113	Version No./Date: 10/04/1995
PBR No.: 124	Version No./Date: 05/04/1994
PBR No.: 124	Version No./Date: 06/07/1996

♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.: 88412	Issuance Date: 07/17/2019
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

FORM OP-REQ2 – NEGATIVE APPLICABLE REQUIREMENT DETERMINATIONS

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
D	21	EC001	OP-UA6	MACT O`	§63.360(b)	No ethylene oxide is used.
A	22	GRP-ENGINE1	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	23	GRP-ENGINE10	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	23	GRP-ENGINE10	OP-REQ2	NSPS JJJJ	§60.4230(a)(4)(iv)	Stationary emergency SI engine with a maximum engine power greater than 19 KW (25 HP) ~~constructed/reconstructed/modified~~ *manufactured* prior to January 1, 2009.
A	24	GRP-ENGINE11	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	25	GRP-ENGINE12	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	26	GRP-ENGINE13	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	27	GRP-ENGINE14	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE

Texas Comission on Environmental Quality
Form OP-REQ2
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Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	28	GRP-ENGINE16	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	28	GRP-ENGINE16	OP-REQ2	NSPS JJJJ	§60.4230(a)(4)(iv)	Stationary emergency SI engine with a maximum engine power greater than 19 KW (25 HP) ~~constructed/reconstructed/modified~~ *manufactured* prior to January 1, 2009.
A	29	GRP-ENGINE17	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	30	GRP-ENGINE18	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	31	GRP-ENGINE19	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	32	GRP-ENGINE2	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	33	GRP-ENGINE3	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	34	GRP-ENGINE4	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
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Area Name: Fort Hood, U.S. Army		**Customer Reference No.:**	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	34	GRP-ENGINE4	OP-REQ2	NSPS JJJJ	§60.4230(a)(4)(iv)	Stationary emergency SI engine with a maximum engine power greater than 19 KW (25 HP) ~~constructed/reconstructed/modified~~ *manufactured* prior to January 1, 2009.
A	35	GRP-ENGINE5	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	36	GRP-ENGINE6	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	37	GRP-ENGINE9	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	41	IC001-13	OP-UA2	NSPS IIII	§60.4200(a)(2) §60.4200(a)(3)	Stationary CI ICE not constructed, modified, nor reconstructed after 7/11/2005
A	41	IC001-13	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	53	IC001-43	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	54	IC001-44	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE

Texas Comission on Environmental Quality
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Area Name: Fort Hood, U.S. Army	Customer Reference No.: CN600126262	

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	56	IC001-47	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	58	IC001-48	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	60	IC001-49	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	61	IC001-5	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	63	IC001-53	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	65	~~IC001-54~~ IC002-18	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	67	IC001-56	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	72	IC001-65	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	73	IC001-66	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE

Texas Comission on Environmental Quality
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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	75	IC001-67	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	77	IC001-68	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	79	IC001-69	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	81	IC001-70	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	82	IC001-72	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	83	IC001-75	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	84	IC001-76	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE

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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	84	IC001-76	OP-UA2	MACT ZZZZ	§63.6585(f)(3)	Stationary RICE is an institutional emergency RICE located at an area source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that does not operate for the purpose specified in § 63.6640(f)(4)(ii).
A	85	IC001-77	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	85	IC001-77	OP-UA2	MACT ZZZZ	§63.6585(f)(3)	Stationary RICE is an institutional emergency RICE located at an area source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purpo specified in § 63.6640(f)(2)(ii) and (iii) and that does not operate for the purpose specified in § 63.6640(f)(4)(ii).
A	86	IC001-78	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	87	IC001-79	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	89	IC001-8	OP-UA2	NSPS IIII	§60.4200(a)(2) §60.4200(a)(3)	Stationary CI ICE not constructed, modified, nor reconstructed after 7/11/2005

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Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	89	IC001-8	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	90	IC001-81	OP-UA2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	90	IC001-81	OP-UA2	MACT ZZZZ	§63.6585(f)(3)	Stationary RICE is an institutional emergency RICE located at an area source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that does not operate for the purpose specified in § 63.6640(f)(4)(ii).
A	144	IC001-9	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	98	IC002-14	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	145	IC002-15	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE
A	99	IC002-16	OP-REQ2	NSPS JJJJ	§60.4230(a)	Stationary RICE that is not a SI ICE

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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	146	~~IC003-13~~ IC-DF90145	OP-UA2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	146	~~IC003-13~~ IC-DF90145	OP-UA2	NSPS JJJJ	§60.4230(a)(4), (a)(5)	Stationary SI ICE not constructed, modified, nor reconstructed after 6/12/2006
A	146	~~IC003-13~~ IC-DF90145	OP-UA2	MACT ZZZZ	§63.6585(f)(3)	Stationary RICE is an institutional emergency RICE located at an area source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that does not operate for the purpose specified in § 63.6640(f)(4)(ii).
A	147	~~IC003-14~~ IC-DF90048	OP-UA2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	147	~~IC003-14~~ IC-DF90048	OP-UA2	NSPS JJJJ	§60.4230(a)(4), (a)(5)	Stationary SI ICE not constructed, modified, nor reconstructed after 6/12/2006
A	148	~~IC003-22~~ IC-DF90140	OP-UA2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	105	IC003-24	OP-UA2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE

Texas Comission on Environmental Quality
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Negative Applicable Requirement Determinations
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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	106	IC003-25	OP-UA2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	107	IC003-26	OP-UA2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	109	IC003-4	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	111	IC004-1	OP-REQ2	NSPS IIII	§60.4200(a)	Stationary RICE that is not a CI ICE
A	118	SC001	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	118	SC001	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	118	SC001	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	118	SC001	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	118	SC001	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	118	SC001	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	118	SC001	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	118	SC001	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	118	SC001	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	119	SC002	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	119	SC002	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	119	SC002	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	119	SC002	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	119	SC002	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	119	SC002	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	119	SC002	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	119	SC002	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	119	SC002	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	120	SC003	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	120	SC003	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	120	SC003	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	120	SC003	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	120	SC003	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	120	SC003	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	120	SC003	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	120	SC003	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	120	SC003	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	122	SC004	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	122	SC004	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	122	SC004	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	122	SC004	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	122	SC004	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	122	SC004	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	122	SC004	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	122	SC004	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	122	SC004	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	124	SC005	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	124	SC005	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	124	SC005	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	124	SC005	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	124	SC005	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	124	SC005	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	124	SC005	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	124	SC005	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	124	SC005	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	126	SC006	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	126	SC006	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	126	SC006	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	126	SC006	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	126	SC006	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	126	SC006	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	126	SC006	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	126	SC006	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	126	SC006	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	128	SC007	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	128	SC007	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	128	SC007	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	128	SC007	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	128	SC007	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	128	SC007	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	128	SC007	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	128	SC007	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	128	SC007	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	129	SC009	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	129	SC009	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	129	SC009	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	129	SC009	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	129	SC009	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

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Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	129	SC009	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	129	SC009	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	129	SC009	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	129	SC009	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	130	SC011	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	130	SC011	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	130	SC011	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	130	SC011	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	130	SC011	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	130	SC011	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	130	SC011	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	130	SC011	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	130	SC011	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	131	SC013	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	131	SC013	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	131	SC013	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	131	SC013	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	131	SC013	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	131	SC013	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	131	SC013	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	131	SC013	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	131	SC013	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	132	SC015	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	132	SC015	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	132	SC015	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	132	SC015	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	132	SC015	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	132	SC015	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	132	SC015	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	132	SC015	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	132	SC015	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	133	SC017	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	133	SC017	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	133	SC017	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	133	SC017	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	133	SC017	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	133	SC017	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	133	SC017	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	133	SC017	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	133	SC017	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	134	SC021	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	134	SC021	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation
A	134	SC021	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	134	SC021	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	134	SC021	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs

Texas Comission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	134	SC021	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	134	SC021	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	134	SC021	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county
D	134	SC021	OP-REQ2	MACT JJ	§63.800(a)	Not applicable since this is not part of a wood furniture coating operations.
A	138	GRPWW	OP-REQ2	NSPS EE	§60.310(a)	Facility does not apply organic coating to metal furniture
A	138	GRPWW	OP-REQ2	NSPS MM	§60.390	Facility does not assemble automobile or light-duty trucks
A	138	GRPWW	OP-REQ2	NSPS RR	§60.440(a)	Facility does not manufacture pressure sensitive tape and label materials
A	138	GRPWW	OP-REQ2	NSPS SS	§60.450(a)	Facility is not a large appliance surface coating line
A	138	GRPWW	OP-REQ2	NSPS TT	§60.460(a)	Facility is not a metal coil surface coat operation

Texas Comission on Environmental Quality
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Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 1/18/2022	Permit No.: O1659	Regulated Entity No.: RN101612083
Area Name: Fort Hood, U.S. Army	Customer Reference No.:	CN600126262

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	138	GRPWW	OP-REQ2	NSPS WW	§60.490(a)	Facility is not a beverage can surface coating facility
A	138	GRPWW	OP-REQ2	NSPS TTT	§60.720(a)	Facility does not manufacture business machines
A	138	GRPWW	OP-REQ2	MACT PPPP	§63.4481(b)	Not a major source, not located at a major source, and not part of a major source of HAPs
A	138	GRPWW	OP-REQ2	Chapter 115, Subchapter E, Division 2	§115.420(a)	Not in a listed county
A	138	GRPWW	OP-REQ2	Chapter 115, Subchapter E, Division 5	§115.450(a)	Not in a listed county
A	138	GRPWW	OP-REQ2	Chapter 115, Subchapter E, Division 7	§115.470(a)	Not in a listed county

FORM OP-REQ3 – APPLICABLE REQUIREMENTS SUMMARY

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program
Table 1a: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
41	IC001-13	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6603(a)-Table 2d.4 §63.6595(a)(1) §63.6605(a)-(b) §63.6625(e), (h), (i) §63.6640(f)(1), (f)(2), (f)(2)(i) §63.6640(f)(4), (f)(4)(i)
80	IC001-70	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) *§60.4202(a)(1)(ii)* *§60.4202(a)(1)(ii)-Table 2* ~~§ 60.4202(a)(2)~~ §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a) ~~§89.112(a)~~

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program
Table 1a: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
80	IC001-70	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) *§60.4202(a)(1)(ii)* *§60.4202(a)(1)(ii)-Table 2* ~~§ 60.4202(a)(2)~~ §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a) ~~§89.112(a)~~
80	IC001-70	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) *§60.4202(a)(1)(ii)* *§60.4202(a)(1)(ii)-Table 2* ~~§ 60.4202(a)(2)~~ §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a) ~~§89.112(a)~~

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program
Table 1a: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
80	IC001-70	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) *§60.4202(a)(1)(ii)* *§60.4202(a)(1)(ii)-Table 2* ~~§ 60.4202(a)(2)~~ §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a) ~~§89.112(a)~~
80	IC001-70	OP-UA2	60IIII	~~PM (OPACITY)~~	~~NSPS IIII~~	~~§60.4205(b)~~ ~~§60.4202(a)(2)~~ ~~§60.4206~~ ~~§60.4207(b)~~ ~~[G]§60.4211(a)~~ ~~§60.4211(c)~~ ~~[G]§60.4211(f)~~ ~~§60.4218~~ ~~§89.113(a)(1)~~ ~~§89.113(a)(2)~~ ~~§89.113(a)(3)~~

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program
Table 1a: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
83	IC001-75	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) 60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
83	IC001-75	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
83	IC001-75	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) [§60.4211(a)
83	IC001-75	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) [§60.4211(f) §60.4218 §60.4211(c) [§60.4211(a)
83	IC001-75	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)

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Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
84	IC001-76	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
84	IC001-76	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Date:	**1/18/2022**	**Regulated Entity No.:**	**RN101612083**	**Permit No.: O1659**
Company Name:	**US Department of the Army**	**Area Name:**	**Fort Hood, U.S. Army**	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
84	IC001-76	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
84	IC001-76	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
85	IC001-77	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
85	IC001-77	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Company Name:	**US Department of the Army**	**Area Name:**	**Fort Hood, U.S. Army**	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
85	IC001-77	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
85	IC001-77	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
86	IC001-78	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
86	IC001-78	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
86	IC001-78	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
86	IC001-78	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §63.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
86	IC001-78	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
87	IC001-79	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
87	IC001-79	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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87	IC001-79	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
87	IC001-79	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §63.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) [§60.4211(a)
87	IC001-79	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)
88	IC001-8	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6603(a)-Table 2d.4 §63.6595(a)(1) §63.6605(a)-(b) §63.6625(e), (h), (i) §63.6640(f)(1), (f)(2), (f)(2)(i) §63.6640(f)(4), (f)(4)(i)

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90	IC001-81	OP-UA2	60IIII	NOX	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
90	IC001-81	OP-UA2	60IIII	NMHC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
90	IC001-81	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
90	IC001-81	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
99	~~IC003-14~~ IC-DF90048	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6603(a)-Table 2d.5 §63.6595(a)(1) §63.6605(a), (b) §63.6625(e), (h), (j) §63.6640(f)(1), (f)(2), (f)(2)(i) §63.6640(f)(4), (f)(4)(i)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
91	IC001-82	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
91	IC001-82	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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91	IC001-82	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
91	IC001-82	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
92	IC001-83	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
92	IC001-83	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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92	IC001-83	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
92	IC001-83	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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93	IC001-84	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
93	IC001-84	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
93	IC001-84	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
93	IC001-84	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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94	IC001-85	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
94	IC001-85	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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94	IC001-85	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
94	IC001-85	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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95	IC001-86	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
95	IC001-86	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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95	IC001-86	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
95	IC001-86	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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96	IC001-87	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
96	IC001-87	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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96	IC001-87	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
96	IC001-87	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Table 1a: Additions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
97	IC001-88	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
97	IC001-88	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Table 1a: Additions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
97	IC001-88	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
97	IC001-88	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Table 1a: Additions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
100	IC002-17	OP-UA2	60IIII	NOx	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
100	IC002-17	OP-UA2	60IIII	NHMC	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Table 1a: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
100	~~IC003-22~~ IC-DF90140	OP-UA2	60JJJJ	NOX	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
100	~~IC003-22~~ IC-DF90140	OP-UA2	60JJJJ	CO	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
100	~~IC003-22~~ IC-DF90140	OP-UA2	60JJJJ	VOC	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
100	~~IC003-22~~ IC-DF90140	OP-UA2	60JJJJ	NOX	NSPS JJJJ	§60.4233(c) §60.4233(h) §1048.101(c) §60.4231(c) §60.4234 §60.4243(a), (d), (g) §60.4246 §60.4243(a)(1)

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Table 1a: Additions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
100	IC002-17	OP-UA2	60IIII	CO	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)
100	IC002-17	OP-UA2	60IIII	PM	NSPS IIII	§60.4205(b) §60.4202(a)(2) §89.112(a) §60.4206 §60.4207(b) §60.4211(f) §60.4218 §60.4211(c) §60.4211(a)

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Date:	**1/18/2022**	**Regulated Entity No.:**	**RN101612083**	**Permit No.: O1659**	
Company Name:	**US Department of the Army**	**Area Name:**	**Fort Hood, U.S. Army**		

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
100	~~IC003-22~~ IC-DF90140	OP-UA2	60JJJJ	HC	NSPS JJJJ	§60.4233(c) §60.4233(h) §1048.101(c) §60.4231(c) §60.4234 §60.4243(a), (d), (g) §60.4246 §60.4243(a)(1)
100	~~IC003-22~~ IC-DF90140	OP-UA2	60JJJJ	CO	NSPS JJJJ	§60.4233(c) §60.4233(h) §1048.101(c) §60.4231(c) §60.4234 §60.4243(a)(1)
100	~~IC003-22~~ IC-DF90140	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)
104	IC003-24	OP-UA2	60JJJJ	NOX	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)

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Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
104	IC003-24	OP-UA2	60JJJJ	CO	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
104	IC003-24	OP-UA2	60JJJJ	VOC	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), d), (g) §60.4246 §60.4243(b)(1)
104	IC003-24	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)
105	IC003-25	OP-UA2	60JJJJ	NOX	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
105	IC003-25	OP-UA2	60JJJJ	CO	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)

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Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
105	IC003-25	OP-UA2	60JJJJ	VOC	NSPS JJJJ	§60.4233(e)-Table 1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
105	IC003-25	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)
106	IC003-26	OP-UA2	60JJJJ	NOX	NSPS JJJJ	§60.4233(d)-Table1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
106	IC003-26	OP-UA2	60JJJJ	HC	NSPS JJJJ	§60.4233(d)-Table1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
106	IC003-26	OP-UA2	60JJJJ	CO	NSPS JJJJ	§60.4233(d)-Table1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
106	IC003-26	OP-UA2	63ZZZZ	HAPS	MACT ZZZZ	§63.6590(c)

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Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
139	IC003-27	OP-UA2	60JJJJ	NOx	NSPS JJJJ	§60.4233(d)-Table1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)
139	IC003-27	OP-UA2	60JJJJ	HC	NSPS JJJJ	§60.4233(d)-Table1 §60.4234 §60.4243(b), (d), (g) §60.4246 §60.4243(b)(1)

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Table 1a: Additions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
139	IC003-27	OP-UA2	60JJJJ	CO	NSPS JJJJ	§60.4233(d)-Table1 §60.4234 §60.4243(b),(d), (g) §60.4246 §60.4243(b)(1)
139	IC003-27	OP-UA2	60JJJJ	HAPS	MACT ZZZZ	§63.6590(c)

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Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
41	IC001-13	63ZZZZ	HAPS	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii	§63.6625(i) §63.6655(f) §63.6660(a)-(c)	§63.6640(e) §63.6650(f)
80	IC001-70	60IIII	NOX	§60.4209(a)	§60.4214(b)	
80	IC001-70	60IIII	NMHC	§60.4209(a)	§60.4214(b)	
80	IC001-70	60IIII	CO	§60.4209(a)	§60.4214(b)	
80	IC001-70	60IIII	PM	§60.4209(a)	§60.4214(b)	
80	IC001-70	60IIII	~~PM (OPACITY)~~	~~§60.4209(a)~~	~~§60.4214(b)~~	~~§60.4214(d)~~
83	IC001-75	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Date:	**1/18/2022**	**Regulated Entity No.:**	**RN101612083**	**Permit No.: O1659**
Company Name:	**US Department of the Army**	**Area Name:**	**Fort Hood, U.S. Army**	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
83	IC001-75	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
83	IC001-75	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
83	IC001-75	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)
83	IC001-75	63ZZZZ	HAPS			
84	IC001-76	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
84	IC001-76	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
84	IC001-76	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Date:	**1/18/2022**	**Regulated Entity No.:**	**RN101612083**	**Permit No.: O1659**
Company Name:	**US Department of the Army**	**Area Name:**	**Fort Hood, U.S. Army**	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
84	IC001-76	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)
85	IC001-77	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
85	IC001-77	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
85	IC001-77	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
85	IC001-77	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)
86	IC001-78	60IIII	NOX	§60.4209(a)	§60.4214(b)	
86	IC001-78	60IIII	NMHC	§60.4209(a)	§60.4214(b)	

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Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
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Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
86	IC001-78	60IIII	CO	§60.4209(a)	§60.4214(b)	
86	IC001-78	60IIII	PM	§60.4209(a)	§60.4214(b)	
86	IC001-78	63ZZZZ	HAPS			
87	IC001-79	60IIII	NOX	§60.4209(a)	§60.4214(b)	
87	IC001-79	60IIII	NMHC	§60.4209(a)	§60.4214(b)	
87	IC001-79	60IIII	CO	§60.4209(a)	§60.4214(b)	
87	IC001-79	60IIII	PM	§60.4209(a)	§60.4214(b)	

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Company Name:	**US Department of the Army**	**Area Name:**	**Fort Hood, U.S. Army**	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
87	IC001-79	63ZZZZ	HAPS			
88	IC001-8	63ZZZZ	HAPS	§63.6625(f), (i) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii	§63.6625(i) §63.6655(f) §63.6660(a)-(c)	§63.6640(e) §63.6650(f)
90	IC001-81	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
90	IC001-81	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
90	IC001-81	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
90	IC001-81	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Table 1b: Additions

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Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
91	IC001-82	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
91	IC001-82	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
91	IC001-82	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
91	IC001-82	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)
92	IC001-83	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
92	IC001-83	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
92	IC001-83	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
92	IC001-83	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
93	IC001-84	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
93	IC001-84	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
93	IC001-84	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
93	IC001-84	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)
94	IC001-85	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
94	IC001-85	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
94	IC001-85	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
94	IC001-85	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
95	IC001-86	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
95	IC001-86	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
95	IC001-86	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
95	IC001-86	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)
96	IC001-87	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
96	IC001-87	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
96	IC001-87	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
96	IC001-87	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
97	IC001-88	60IIII	NOX	§60.4209(a)	§60.4214(b)	§60.4214(d)
97	IC001-88	60IIII	NMHC	§60.4209(a)	§60.4214(b)	§60.4214(d)
97	IC001-88	60IIII	CO	§60.4209(a)	§60.4214(b)	§60.4214(d)
97	IC001-88	60IIII	PM	§60.4209(a)	§60.4214(b)	§60.4214(d)

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Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
99	~~IC003-14~~ IC-DF90048	63ZZZZ	HAPS	§63.6625(f), (j) §63.6640(a) §63.6640(a)-Table 6.9.a.i-ii	§63.6625(j) §63.6655(f) §63.6660(a)-(c)	§63.6640(e) §63.6650(f)
100	~~IC003-22~~ IC-DF90140	60JJJJ	NOX	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1) §60.4245(b)	§60.4245(e)
100	~~IC003-22~~ IC-DF90140	60JJJJ	CO	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1) §60.4245(b)	§60.4245(e)
100	~~IC003-22~~ IC-DF90140	60JJJJ	VOC	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1) §60.4245(b)	§60.4245(e)
100	~~IC003-22~~ IC-DF90140	60JJJJ	NOX	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(b) §60.4243(a)(1) §60.4245(a)(3)	§60.4245(e)

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Federal Operating Permit Program
Table 1b: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
100	~~IC003-22~~ IC-DF90140	60JJJJ	HC	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(b) §60.4243(a)(1) §60.4245(a)(3)	§60.4245(e)
100	~~IC003-22~~ IC-DF90140	60JJJJ	CO	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(b) §60.4243(a)(1) §60.4245(a)(3)	§60.4245(e)
100	~~IC003-22~~ IC-DF90140	63ZZZZ	HAPS			
105	IC003-24	60JJJJ	NOX		§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1)	§60.4245(e)
105	IC003-24	60JJJJ	CO		§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1)	§60.4245(e)
105	IC003-24	60JJJJ	VOC		§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1)	§60.4245(e)

Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program
Table 1b: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
105	IC003-24	63ZZZZ	HAPS			
106	IC003-25	60JJJJ	NOX	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1) §60.4245(b)	§60.4245(e)
106	IC003-25	60JJJJ	CO	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1) §60.4245(b)	§60.4245(e)
106	IC003-25	60JJJJ	VOC	§60.4237(b)	§60.4245(a), (a)(1), (a)(2) §60.4245(a)(3) §60.4243(a)(1) §60.4245(b)	§60.4245(e)
106	IC003-25	63ZZZZ	HAPS			

Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program
Table 1b: Additions

Date:	1/18/2022	Regulated Entity No.:	RN101612083	Permit No.: O1659
Company Name:	US Department of the Army	Area Name:	Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
107	IC003-26	60JJJJ	NOX	§60.4237(c)	§60.4245(a), (a)(2) §60.4245(b) §60.4245(a)(3) §60.4243(a)(1)	
107	IC003-26	60JJJJ	HC	§60.4237(c)	§60.4245(a), (a)(2) §60.4245(b) §60.4245(a)(3) §60.4243(a)(1)	
107	IC003-26	60JJJJ	CO	§60.4237(c)	§60.4245(a), (a)(2) §60.4245(b) §60.4245(a)(3) §60.4243(a)(1)	
107	IC003-26	63ZZZZ	HAPS			

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
5	BOILER10	OP-UA6				
6	BOILER12	OP-REQ2				
7	BOILER13	OP-REQ2				
8	BOILER14	OP-REQ2				
9	BOILER15	OP-REQ2				
10	BOILER16	OP-REQ2				
11	BOILER17	OP-REQ2				
12	BOILER18	OP-REQ2				
13	BOILER19	OP-REQ2				
14	BOILER20	OP-REQ2				

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
15	BOILER21	OP-REQ2				
16	BOILER22	OP-REQ2				
17	BOILER23	OP-REQ2				
18	BOILER24	OP-REQ2				
19	BOILER25	OP-REQ2				
20	BOILER9	OP-UA6				
38	GRPOHCA	OP-REQ2				
39	GRPOHCA	OP-UA57				
40	GRPOHCB	OP-UA57				
43	IC001-19	OP-SUMR				

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 1/18/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army	Area Name: Fort Hood, U.S. Army	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
47	IC001-33	OP-SUMR				
48	IC001-34	OP-SUMR				
49	IC001-35	OP-SUMR				
50	IC001-37	OP-SUMR				
51	IC001-42	OP-SUMR				
62	IC001-50	OP-SUMR				

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date:	Regulated Entity No.:	Permit No.:
Company Name:	Area Name:	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements

FORM OP-ACPS – APPLICATION COMPLIANCE PLAN AND SCHEDULE

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 01/16/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of Army		Area Name: Fort Hood, US Army

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(d)(8).

Part 1

A. Compliance Plan — Future Activity Committal Statement	
The *Responsible Official* commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.	
B. Compliance Certification - Statement for Units in Compliance* (Indicate response by entering an "X" in the appropriate column)	
1. With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	☒ YES ☐ NO
2. Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	☐ YES ☒ NO
3. If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. *(For reference only)*	
* *For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.* *For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.* *Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.*	

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 01/16/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army		Area Name: Fort Hood, US Army

Part 2

A. Compliance Schedule

If there are non-compliance situations ongoing at time of application, then complete a separate OP-ACPS Part 2 for each separate non-compliance situation. *(See form instruction for details.)* If there are no non-compliance situations ongoing at time of application, then this section is not required to be completed.

1. Specific Non-Compliance Situation

Unit/Group/Process ID No.(s):

SOP Index No.:

Pollutant:

Applicable Requirement

Citation	Text Description

2. Compliance Status Assessment Method and Records Location

Citation	Text Description	Location of Records/Documentation

3. Non-compliance Situation Description

4. Corrective Action Plan Description

5. List of Activities/Milestones to Implement the Corrective Action Plan

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 01/16/2022	Regulated Entity No.: RN101612083	Permit No.: O1659
Company Name: US Department of the Army		Area Name: Fort Hood, US Army

Part 2 (*continued*)

6. Previously Submitted Compliance Plan(s)	
Type of Action	**Date Submitted**

7. Progress Report Submission Schedule

FORM OP-MON – MONITORING REQUIREMENT

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 1)
Federal Operating Permit Program

Table 1a: CAM/PM Additions

Note: No new CAM/PM Additions apply. This form is completed solely to identify the PM requirements contained in the August 8, 2017 Federal Operating Permit on a new version of Form OP-MON (December 2017 version).

I. Identifying Information		
Account No.: BF-0129-I	RN No.: RN101612083	CN: CN600126262
Permit No.: O1659	Project No.: N/A	
Area Name: EC001		
Company Name: Fort Hood, U.S. Army		
II. Unit/Emission Point/Group/Process Information		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: EC001		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC 112, Sulfur Compounds		
SOP/GOP Index No.: 112-1		
Pollutant: SO2		
Main Standard: § 112.9 (a)		
IV. Title V Monitoring Information – Please refer to the attachment.		
Monitoring Type:		
Unit Size:		
CAM/PM Option No.:		
Deviation Limit:		
CAM/PM Option No.:		
Deviation Limit:		
V. Control Device Information		
Control Device ID No.:		
Control Device Type:		

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
US Department of the Army

AUTHORIZING THE OPERATION OF
Fort Hood
Fort Hood, U.S. Army
National Security

LOCATED AT
Bell County, Texas
Latitude 31° 8' 0" Longitude 97° 36' 0"
Regulated Entity Number: RN101612083

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1659 Issuance Date: August 8, 2017

For the Commission

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

12. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

13. As an alternative to performing opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A), as specified in Special Term and Conditions 3A - 3C, the permit holder may use a digital camera opacity system in accordance with EPA Alternate Method 082 to determine opacities at each source. In addition, the digital opacity camera system may be used in lieu of opacity observations required in any underlying applicable requirement within this permit.

Additional Monitoring Requirements

14. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

15. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EC001	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: 112-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: >440 parts per million by volume (ppmv) at actual stack conditions and averaged over a three-hour period.	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

APPENDIX A

Title V Operating Permit No. O1659

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
US Department of the Army

AUTHORIZING THE OPERATION OF
Fort Hood
Fort Hood, U.S. Army
National Security

LOCATED AT
Bell County, Texas
Latitude 31° 8' 0" Longitude 97° 36' 0"
Regulated Entity Number: RN101612083

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1659 Issuance Date: August 8, 2017

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

   A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

   B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

   C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subparts GG, AAAA, ZZZZ and GGGGG as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.380, §113.840, §113.1090, and §113.1160 respectively, which incorporate the 40 CFR Part 63 Subparts by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the

air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the

source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

F. Permit holders for sites that have materials handling, construction, roads, streets, alleys, and parking lots shall comply with the following requirements:

(i) Title 30 TAC § 111.143 (relating to Materials Handling)

(ii) Title 30 TAC § 111.145 (relating to Construction and Demolition)

(iii) Title 30 TAC § 111.147 (relating to Roads, Streets, and Alleys)

(iv) Title 30 TAC § 111.149 (relating to Parking Lots)

G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(iii) Title 30 TAC § 111.211 (relating to Exception for Prescribed Burn)

(iv) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(v) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 100,000 gallons of gasoline in any calendar month after October 31, 2014, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

B. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

5. The permit holder shall comply with the following requirements of 30 TAC Chapter 117:

A. For the manufacturing, distribution, sales, and installation of natural gas-fired water heaters, boilers, and process heaters subject to Subchapter E, Division 3 (30 TAC § 117.3200):

(i) Title 30 TAC § 117.3205 (relating to Emission Specifications)

(ii) Title 30 TAC § 117.3210 (relating to Certification Requirements)

(iii) Title 30 TAC § 117.3215 (relating to Notification and Labeling Requirements)

6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

8. For sources subject to emission standards in 40 CFR Part 63, Subpart GG, the permit holder shall comply with the requirements below (Title 30 TAC Chapter 113, Subchapter C, § 113.380 incorporated by reference):

A. Title 40 CFR § 63.748 (relating to Standards: Handling and Storage of Waste)

B. Title 40 CFR § 63.749(a) (relating to Compliance Dates and Determinations)

9. For wood furniture manufacturing operations specified in 40 CFR Part 63, Subpart JJ, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.410 incorporated by reference):

A. Title 40 CFR § 63.800(a) (relating to Applicability), for recordkeeping requirements for an incidental wood furniture manufacturer

10. For each bulk gasoline plant specified in 40 CFR Part 63, Subpart BBBBBB, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1370 incorporated by reference):

A. Title 40 CFR § 63.11086(d), for handling of gasoline

B. Title 40 CFR § 63.11085(a), for operation and maintenance of the affected source

C. Title 40 CFR § 63.11086(e), for Initial Notification

D. Title 40 CFR § 63.11086(f), for Notification of Compliance Status

E. Title 40 CFR § 63.11089(a), for leak inspections at the facility

F. Title 40 CFR § 63.11089(b) and (c), for log book maintenance and recordkeeping

G. Title 40 CFR § 63.11089(d), for delay of repair

H. Title 40 CFR § 63.11094(d), for recordkeeping

I. Title 40 CFR § 63.11094(e), for recordkeeping

J. Title 40 CFR § 63.11094(g), for recordkeeping

K. Title 40 CFR § 63.11095(a)(3), (b), (b)(5), (c) and (d), for reporting

11. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

12. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

13. As an alternative to performing opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A), as specified in Special Term and Conditions 3A - 3C, the permit holder may use a digital camera opacity system in accordance with EPA Alternate Method 082 to determine opacities at each source. In addition, the digital opacity camera system may be used in lieu of opacity observations required in any underlying applicable requirement within this permit.

Additional Monitoring Requirements

14. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

15. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions

referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

16. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

17. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

18. The permit holder shall comply with the terms and conditions of the air addendum of the [Municipal Solid Waste], [Industrial Hazardous Waste] permits listed in the New Source Review Authorization Reference Attachment. Requirements other than those of the air addendum are not applicable to this operating permit.

19. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

C. Applicable requirements of 30 TAC Chapter 330, Subchapter U (Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Stations)

D. Applicable requirements of 30 TAC § 116.621 for Municipal Solid Waste Landfills based on the information contained in the registration application.

E. Concrete Batch Plant Standard Permit.

Compliance Requirements

20. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited

to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

21. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Protection of Stratospheric Ozone

22. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

B. Any on site servicing, maintenance, and repair of fleet vehicle air conditioning using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart B. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

C. The permit holder shall comply with 40 CFR Part 82, Subpart D related to the procurement requirements of Class I or Class II (ozone-depleting) substances or products containing those substances as specified in 40 CFR § 82.80 - § 82.86 and the applicable Part 82 Appendices.

D. The permit holder shall comply with 40 CFR Part 82, Subpart F related to the disposal requirements for appliances using Class I or Class II (ozone-depleting) substances or non-exempt substitutes as specified in 40 CFR §§ 82.150 - 82.166 and the applicable Part 82 Appendices.

E. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Temporary Fuel Shortages (30 TAC § 112.15)

23. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

24. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

25. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit

shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 17

Applicable Requirements Summary 24

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
EC001	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	BOILER10, BOILER11, BOILER9	112-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
EC001	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	BOILER10, BOILER11, BOILER9	60Dc	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPAROHCA	CLEANING/DEPAINTING OPERATION	ARO7A	63GG-3	40 CFR Part 63, Subpart GG	No changing attributes.
GRPAROHCB	CLEANING/DEPAINTING OPERATION	ARO7B	63GG-3	40 CFR Part 63, Subpart GG	No changing attributes.
GRP-ENGINE1	SRIC ENGINES	IC001-10, IC001-14, IC001-16, IC001-8	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE10	SRIC ENGINES	IC003-18, IC003-19, IC003-20	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE11	SRIC ENGINES	IC003-21, IC003-22, IC004-8	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
GRP-ENGINE11	SRIC ENGINES	IC003-21, IC003-22, IC004-8	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE12	SRIC ENGINES	IC001-46, IC001-55	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENGINE12	SRIC ENGINES	IC001-46, IC001-55	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE13	SRIC ENGINES	IC001-57, IC001-58, IC001-59, IC001-60, IC001-61, IC001-62	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENGINE13	SRIC ENGINES	IC001-57, IC001-58, IC001-59, IC001-60, IC001-61,	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		IC001-62			
GRP-ENGINE14	SRIC ENGINES	IC001-42, IC001-51	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE15	SRIC ENGINES	IC003-14, IC004-3	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE16	SRIC ENGINES	IC003-16, IC003-17	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE17	SRIC ENGINES	IC002-1, IC002-6, IC002-7, IC002-8, IC002-9	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE18	SRIC ENGINES	IC002-3, IC002-4, IC002-5	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENGINE18	SRIC ENGINES	IC002-3, IC002-4, IC002-5	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE19	SRIC ENGINES	IC002-10, IC002-11, IC002-12, IC002-13	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENGINE19	SRIC ENGINES	IC002-10, IC002-11, IC002-12, IC002-13	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE2	SRIC ENGINES	IC003-1, IC003-2, IC003-3	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE3	SRIC ENGINES	IC001-71, IC001-74	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENGINE3	SRIC ENGINES	IC001-71, IC001-74	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE4	SRIC ENGINES	IC004-5, IC004-6, IC004-7	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-ENGINE5	SRIC ENGINES	IC003-10, IC003-11, IC003-6, IC003-7, IC003-8, IC003-9	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE6	SRIC ENGINES	IC001-17, IC001-24, IC001-32	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENGINE9	SRIC ENGINES	IC001-18, IC001-21, IC001-22, IC001-25, IC001-30, IC001-36	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-37	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-44	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-48	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-48	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-49	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-49	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-50	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-50	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-53	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-53	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
				Subpart ZZZZ	
IC001-54	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-54	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-56	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-56	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-64	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-64	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-65	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-65	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-66	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-66	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-67	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-67	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
IC001-68	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-68	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-69	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-69	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-70	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-70	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC001-72	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC001-72	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC002-14	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC002-14	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC002-15	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC002-15	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC002-16	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
IC002-16	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC003-23	SRIC ENGINES	N/A	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
IC003-23	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC003-4	SRIC ENGINES	N/A	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
IC003-4	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC003-5	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
IC005-1	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
IC005-1	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
LR001	LOADING/UNLOADING OPERATIONS	N/A	V-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
MO001	MSW / WASTE DISPOSAL SITE	N/A	63AAAA-1	40 CFR Part 63, Subpart AAAA	No changing attributes.
MO002	MSW / WASTE DISPOSAL SITE	N/A	60WWW-1	40 CFR Part 60, Subpart WWW	No changing attributes.
MO002	MSW / WASTE DISPOSAL SITE	N/A	63AAAA-2	40 CFR Part 63, Subpart AAAA	No changing attributes.
MO004	BIOREMEDIATION UNITS	N/A	63GGGGG	40 CFR Part 63,	No changing attributes

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
				Subpart GGGGG	
SU001	CLEANING/DEPAINTING OPERATION	ARO28, ARO29, ARO30, ARO31, ARO32, ARO33, ARO34, ARO35, ARO36, ARO37, ARO38, ARO39, ARO42, ARO68, ARO69, ARO70, ARO71, ARO72, ARO73, ARO74, ARO75, ARO76, ARO77, ARO78, ARO79, ARO80, ARO81, ARO82, ARO83, ARO84, ARO85, ARO86, ARO87, ARO88, ARO89, ARO90	63GG-2	40 CFR Part 63, Subpart GG	No changing attributes.
SU002	CLEANING/DEPAINTING OPERATION	ARO10A, ARO10B, ARO16A, ARO16B, ARO17A, ARO17B, ARO18A, ARO18B, ARO19A, ARO19B, ARO1A, ARO1B, ARO20A, ARO20B, ARO21A, ARO21B, ARO25A, ARO25B, ARO26A, ARO26B, ARO2A, ARO2B, ARO3A, ARO3B, ARO43A, ARO43B, ARO44A, ARO44B, ARO45A, ARO45B, ARO46A, ARO46B, ARO47A, ARO47B, ARO48A, ARO48B, ARO49A, ARO49B, ARO4A, ARO4B, ARO5A, ARO5B, ARO6A, ARO6B, ARO8A, ARO8B	63GG-3	40 CFR Part 63, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EC001	EU	112-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a) § 112.9(b)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
EC001	EU	60Dc	SO_2	40 CFR Part 60, Subpart Dc	§ 60.42c(e) § 60.40c(c) § 60.42c(e)(2) § 60.42c(g) § 60.42c(i) § 60.42c(j)	A facility that combusts oil with any other fuel shall not discharge into the atmosphere any gases that contain sulfur dioxide in excess of the emission limit determined according to the formula in § 60.42c(e)(2).	§ 60.44c(a) § 60.44c(b) § 60.44c(c) [G]§ 60.44c(e) § 60.44c(j) § 60.46c(a) § 60.46c(b) [G]§ 60.46c(c) § 60.46c(f)	[G]§ 60.48c(e) § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(b) § 60.48c(d) [G]§ 60.48c(e) § 60.48c(j)
EC001	EU	60Dc	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
EC001	EU	60Dc	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						megawatts (MW).			
GRPAROHCA	PRO	63GG-3	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
GRPAROHCB	PRO	63GG-3	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
GRP-ENGINE1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.6640(f)(4)				
GRP-ENGINE10	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-ENGINE11	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 4.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(b)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	[G]§ 60.4245(e)
GRP-ENGINE11	EU	60JJJJ	NO_x	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP	§ 60.4237(b)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	[G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4243(d) § 60.4243(g) § 60.4246	and were manufactured on or after 01/01/2009 must comply with a NOx emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.			
GRP-ENGINE11	EU	60JJJJ	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a VOC emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(b)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	[G]§ 60.4245(e)
GRP-ENGINE11	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-ENGINE12	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE12	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE12	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206	Emergency stationary CI ICE, that are not fire pump engines, with	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
GRP-ENGINE12	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-	EU	63ZZZZ	112(B)	40 CFR Part 63,	§ 63.6590(c)	Stationary RICE subject	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENGINE12			HAPS	Subpart ZZZZ		to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-ENGINE13	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE13	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206	Owners and operators of emergency stationary fire pump CI ICE with a	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
GRP-ENGINE13	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-ENGINE14	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	the requirements as specified in Table 2d.4.a-c.	Table6.9.a.ii § 63.6640(b)	§ 63.6660(a) § 63.6660(b) § 63.6660(c)	
GRP-ENGINE15	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRP-ENGINE16	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-ENGINE17	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRP-ENGINE18	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						CFR 89.112(a).			
GRP-ENGINE18	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE18	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
GRP-ENGINE18	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE18	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements apply for such engines under this part.			
GRP-ENGINE19	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE19	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-ENGINE19	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE19	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						CFR 89.112(a).			
GRP-ENGINE19	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-ENGINE2	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.			
GRP-ENGINE3	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE3	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later, must comply with an NMHC+NOx emission limit of 4.7 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						89.112(a).			
GRP-ENGINE3	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
GRP-ENGINE3	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.40	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
GRP-ENGINE3	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-ENGINE4	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-ENGINE5	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRP-ENGINE6	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.6640(f)(4)				
GRP-ENGINE9	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
IC001-37	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
IC001-44	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.6640(f)(4)				
IC001-48	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-48	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-48	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC001-48	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
IC001-48	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC001-49	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-49	EU	60IIII	NMHC and	40 CFR Part 60,	§ 60.4205(b)	Owners and operators of	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			NO_x	Subpart IIII	§ 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-49	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§1039.105(b)(1)-(3).			
IC001-49	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-49	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
IC001-50	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a CO emission limit of 11.4 g/KW-hr, as listed in Table 1 to this subpart.	§ 60.4209(a)	§ 60.4211(b)(3) § 60.4214(b)	[G]§ 60.4214(d)
IC001-50	EU	60IIII	Hydrocarbons	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with an HC emission limit of 1.3 g/KW-hr, as listed in Table 1 to this subpart.	§ 60.4209(a)	§ 60.4211(b)(3) § 60.4214(b)	[G]§ 60.4214(d)
IC001-50	EU	60IIII	NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and a displacement of less than	§ 60.4209(a)	§ 60.4211(b)(3) § 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						10 liters per cylinder and is a pre-2007 model year must comply with a NOx emission limit of 9.2 g/KW-hr, as listed in Table 1 to this subpart.			
IC001-50	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a PM emission limit of 0.54 g/KW-hr, as listed in Table 1 to this subpart.	§ 60.4209(a)	§ 60.4211(b)(3) § 60.4214(b)	[G]§ 60.4214(d)
IC001-50	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements apply for such engines under this part.			
IC001-53	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-53	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
IC001-53	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-53	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						CFR 89.112(a).			
IC001-53	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC001-54	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
IC001-54	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-54	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2)	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC001-54	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-54	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part.			
IC001-56	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-56	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-56	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC001-56	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
IC001-56	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC001-64	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(1)(ii) § 60.4202(a)(1)(ii)-Table 2 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 19 KW and less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(1)(i)-(ii) and 40 CFR 89.112(a) and Table 2 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
IC001-64	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(1)(ii) § 60.4202(a)(1)(ii)-Table 2 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 7.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(1)(i)-(ii) and 40 CFR 89.112(a) and Table 2 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-64	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(1)(ii) § 60.4202(a)(1)(ii)-Table 2 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 19 KW and less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(1)(ii) and Table 2 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-64	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
IC001-65	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-65	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-65	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-65	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-65	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC001-66	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206	Owners and operators of emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-66	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-66	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC001-66	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-66	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
IC001-67	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-67	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-67	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-67	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-67	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC001-68	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206	Owners and operators of emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-68	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-68	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC001-68	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-68	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
IC001-69	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-69	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-69	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-69	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-69	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC001-70	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206	Owners and operators of emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-70	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-70	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC001-70	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-70	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
IC001-72	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-72	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later, must comply with an NMHC+NOx emission limit of 4.7 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-72	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC001-72	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.40 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC001-72	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC002-14	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206	Owners and operators of emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC002-14	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC002-14	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC002-14	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC002-14	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
IC002-15	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC002-15	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC002-15	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC002-15	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC002-15	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC002-16	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206	Owners and operators of emergency stationary CI ICE, that are not fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
IC002-16	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC002-16	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
IC002-16	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
IC002-16	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
IC003-23	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(d)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than 25 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	None
IC003-23	EU	60JJJJ	HC and NO_x	40 CFR Part 60, Subpart JJJJ	§ 60.4233(d)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than 25 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx	§ 60.4237(c)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.			
IC003-23	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
IC003-4	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 4.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(b)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	[G]§ 60.4245(e)
IC003-4	EU	60JJJJ	NO_x	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234	Owners and operators of stationary emergency SI ICE with a maximum	§ 60.4237(b)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2)	[G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a NOx emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.		§ 60.4245(a)(3) § 60.4245(b)	
IC003-4	EU	60JJJJ	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a VOC emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(b)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	[G]§ 60.4245(e)
IC003-4	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						such engines under this part.			
IC003-5	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
IC005-1	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.			
IC005-1	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None
IC005-1	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).			
IC005-1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
LR001	EU	V-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(3)(B) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Gasoline bulk plants which load less than 4,000 gallons of gasoline into transport vessels per day are exempt from the requirements of this division, except for.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(D)	None
MO001	EU	63AAAA-1	112(B) HAPS	40 CFR Part 63, Subpart AAAA	§ 63.1935(a)(2) § 60.752(a) § 60.752(a)(1)	You are subject to this subpart if your MSW landfill is collocated with a major source as defined in 40 CFR 63.2 of subpart A and has	None	§ 60.758(f)	§ 60.752(a) § 60.752(a)(1) § 60.757(a) [G]§ 60.757(a)(1) [G]§ 60.757(a)(2) § 60.757(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						accepted waste since November 8, 1987 or has additional capacity for waste deposition.			
MO002	EU	60WWW-1	NMOC	40 CFR Part 60, Subpart WWW	§ 60.752(b) [G]§ 60.752(c) [G]§ 60.752(d)	Each MSW landfill with a design capacity 2.5 million Mg (2.75 Mtons) or 2.5 million m3 (3.27 million yd3) shall comply with (b)(2) of this section or calculate emission rate per _60.754.	§ 60.752(b)(1)(ii) § 60.754(a)(1) § 60.754(a)(1)(i) § 60.754(a)(1)(ii) § 60.754(a)(2) § 60.754(a)(2)(i) § 60.754(a)(2)(ii) § 60.754(a)(3) § 60.754(a)(3)(i) § 60.754(a)(3)(ii) § 60.754(a)(3)(iii) § 60.754(a)(4) § 60.754(a)(4)(ii) § 60.754(a)(5) § 60.754(c)	§ 60.758(a)	§ 60.752(b)(1)(i) § 60.752(b)(1)(ii)(B) § 60.757(a) [G]§ 60.757(a)(1) [G]§ 60.757(a)(2) § 60.757(b) [G]§ 60.757(b)(1) § 60.757(b)(2) § 60.757(c)(1) § 60.757(c)(2)
MO002	EU	63AAAA-2	112(B) HAPS	40 CFR Part 63, Subpart AAAA	§ 63.1935(a)(2) § 60.752(b) [G]§ 60.752(c) [G]§ 60.752(d)	You are subject to this subpart if your MSW landfill is collocated with a major source as defined in 40 CFR 63.2 of subpart A and has accepted waste since November 8, 1987 or has additional capacity for waste deposition.	§ 60.752(b)(1)(ii) § 60.754(a)(1) § 60.754(a)(1)(i) § 60.754(a)(1)(ii) § 60.754(a)(2) § 60.754(a)(2)(i) § 60.754(a)(2)(ii) § 60.754(a)(3) § 60.754(a)(3)(i) § 60.754(a)(3)(ii) § 60.754(a)(3)(iii) § 60.754(a)(4) § 60.754(a)(4)(ii) § 60.754(a)(5) § 60.754(c)	§ 60.758(a)	§ 60.752(b)(1)(i) § 60.752(b)(1)(ii)(B) § 60.757(a) [G]§ 60.757(a)(1) [G]§ 60.757(a)(2) § 60.757(b) [G]§ 60.757(b)(1) § 60.757(b)(2) § 60.757(c)(1) § 60.757(c)(2)
MO004	EU	63GGGGG	VOC	40 CFR Part 63, Subpart GGGGG	§ 63.7881(a)	This subpart applies to you if you own or operate	None	[G]§ 63.7881(c)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a facility at which you conduct a site remediation, as defined in §63.7957; unless exempted under paragraph (b) or (c) of this section.			
SU001	PRO	63GG-2	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
SU002	PRO	63GG-3	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG

Additional Monitoring Requirements

Periodic Monitoring Summary 94

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EC001	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: 112-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: >440 parts per million by volume (ppmv) at actual stack conditions and averaged over a three-hour period.	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
COMPREP	N/A	40 CFR Part 63, Subpart WWWW	Composite repair-only operations exempt from requirements of Subpart WWWW.
EC001	BOILER10, BOILER11, BOILER9	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	Not a hospital/medical/infectious waste incinerator.
EC001	BOILER10, BOILER11, BOILER9	40 CFR Part 60, Subpart Da	Not an electric utility steam generating unit.
EC001	BOILER10, BOILER11, BOILER9	40 CFR Part 60, Subpart Db	Maximum design heat capacity is less than 100MMBtu/hr.
EC001	BOILER10, BOILER11, BOILER9	40 CFR Part 63, Subpart DDDDD	Not a major source of HAPS.
EC001	BOILER10, BOILER11, BOILER9	40 CFR Part 63, Subpart JJJJJJ	Gas-fired boilers, as defined in this subpart, are not subject to this subpart.
EC001	BOILER10, BOILER11, BOILER9	40 CFR Part 63, Subpart O	No ethylene oxide is used.
EC002	BOILER12, BOILER13, BOILER14, BOILER15, BOILER16, BOILER17, BOILER18, BOILER19, BOILER20, BOILER21, BOILER22, BOILER23, BOILER24, BOILER25	30 TAC Chapter 112, Sulfur Compounds	Does not fire liquid or solid fossil fuels.
EC002	BOILER12, BOILER13, BOILER14, BOILER15, BOILER16, BOILER17,	40 CFR Part 60, Subpart Da	Not an electric utility steam generating unit.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	BOILER18, BOILER19, BOILER20, BOILER21, BOILER22, BOILER23, BOILER24, BOILER25		
EC002	BOILER12, BOILER13, BOILER14, BOILER15, BOILER16, BOILER17, BOILER18, BOILER19, BOILER20, BOILER21, BOILER22, BOILER23, BOILER24, BOILER25	40 CFR Part 60, Subpart Db	Maximum design heat capacity is less than 100MMBtu/hr.
EC002	BOILER12, BOILER13, BOILER14, BOILER15, BOILER16, BOILER17, BOILER18, BOILER19, BOILER20, BOILER21, BOILER22, BOILER23, BOILER24, BOILER25	40 CFR Part 60, Subpart Dc	Maximum design heat capacity is less than 10 MMBtu/hr.
EC002	BOILER12, BOILER13, BOILER14, BOILER15, BOILER16, BOILER17, BOILER18, BOILER19, BOILER20, BOILER21, BOILER22, BOILER23, BOILER24, BOILER25	40 CFR Part 63, Subpart DDDDD	Not a major source of HAPS.
EC002	BOILER12, BOILER13, BOILER14, BOILER15,	40 CFR Part 63, Subpart JJJJJJ	Gas-fired boilers, as defined in this subpart, are not subject to this subpart.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	BOILER16, BOILER17, BOILER18, BOILER19, BOILER20, BOILER21, BOILER22, BOILER23, BOILER24, BOILER25		
FS011	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Not applicable since it is a motor vehicle fuel dispensing facility.
FS011	N/A	40 CFR Part 60, Subpart XX	Not applicable since it is not a bulk gasoline terminal loading rack.
FS011	N/A	40 CFR Part 61, Subpart BB	Not applicable since no benzene loading occurs at the site.
FS011	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not a gasoline distribution terminal.
FS018	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Not applicable since it is a motor vehicle fuel dispensing facility.
FS018	N/A	40 CFR Part 60, Subpart XX	Not applicable since it is not a bulk gasoline terminal loading rack.
FS018	N/A	40 CFR Part 61, Subpart BB	Not applicable since no benzene loading occurs at the site.
FS018	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not a gasoline distribution terminal.
FS018A	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank does not contain VOC.
FS019	N/A	30 TAC Chapter 115, Loading and	Not applicable since it is a motor vehicle fuel

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
		Unloading of VOC	dispensing facility.
FS019	N/A	40 CFR Part 60, Subpart XX	not applicable since it is not a bulk gasoline terminal loading rack.
FS019	N/A	40 CFR Part 61, Subpart BB	Not applicable since no benzene loading occurs at the site.
FS019	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not a gasoline distribution terminal.
FS019A	N/A	30 TAC Chapter 115, Storage of VOCs	Not applicable since base is located in Bell & Coryell counties.
FS019A	N/A	40 CFR Part 60, Subpart Kb	Not applicable since the storage tank is located at a gasoline service station.
FS019A	N/A	40 CFR Part 61, Subpart Y	Not applicable since the tank does not store benzene.
FS019A	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not associated with a bulk gasoline terminal.
FS020	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Since it is a motor vehicle fuel dispensing facility, it is exempt from the Division.
FS020	N/A	40 CFR Part 60, Subpart XX	Not defined as a bulk gasoline terminal loading rack.
FS020	N/A	40 CFR Part 63, Subpart R	Not defined as a gasoline distribution terminal.
FS021	N/A	30 TAC Chapter 115, Loading and	Since it is a motor vehicle fuel dispensing

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
		Unloading of VOC	facility, it is exempt from the Division.
FS021	N/A	40 CFR Part 60, Subpart XX	Not defined as a bulk gasoline terminal loading rack.
FS021	N/A	40 CFR Part 63, Subpart R	Not defined as a gasoline distribution terminal.
FS022	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Since it is a motor vehicle fuel dispensing facility, it is exempt from the Division.
FS022	N/A	40 CFR Part 60, Subpart XX	Not defined as a bulk gasoline terminal loading rack.
FS022	N/A	40 CFR Part 63, Subpart R	Not defined as a gasoline distribution terminal.
GRPAROPT	ARO65, ARO66, ARO67	40 CFR Part 63, Subpart GG	The annual total of each separate formulation used at a facility does not exceed 50 gallons, and the combined annual total of all such primers, topcoats, specialty coatings, and chemical milling maskants used at a facility does not exceed 200 gallons.
GRP-ENGINE1	IC001-10, IC001-14, IC001-16, IC001-8	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
GRP-ENGINE10	IC003-18, IC003-19, IC003-20	40 CFR Part 60, Subpart JJJJ	Stationary emergency SI engine with a maximum engine power greater than 19 KW (25 HP) constructed/reconstructed/modified

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			prior to January 1, 2009.
GRP-ENGINE14	IC001-42, IC001-51	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
GRP-ENGINE15	IC003-14, IC004-3	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was manufactured prior to and not modified/reconstructed after 06/12/2006.
GRP-ENGINE16	IC003-16, IC003-17	40 CFR Part 60, Subpart JJJJ	Stationary emergency SI engine with a maximum engine power greater than 19 KW (25 HP) constructed/reconstructed/modified prior to January 1, 2009.
GRP-ENGINE17	IC002-1, IC002-6, IC002-7, IC002-8, IC002-9	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
GRP-ENGINE2	IC003-1, IC003-2, IC003-3	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was manufactured prior to and not modified/reconstructed after 06/12/2006.
GRP-ENGINE4	IC004-5, IC004-6, IC004-7	40 CFR Part 60, Subpart JJJJ	Stationary emergency SI engine with a maximum engine power greater than 19 KW (25 HP) constructed/reconstructed/modified prior to January 1, 2009.
GRP-ENGINE5	IC003-10, IC003-11, IC003-6, IC003-7, IC003-8, IC003-9	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was manufactured prior to and not modified/reconstructed after 06/12/2006.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-ENGINE6	IC001-17, IC001-24, IC001-32	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
GRP-ENGINE7	IC001-19, IC001-33, IC001-34, IC001-35	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
GRP-ENGINE7	IC001-19, IC001-33, IC001-34, IC001-35	40 CFR Part 63, Subpart ZZZZ	Stationary CI is an existing institutional emergency engine.
GRP-ENGINE8	IC003-13, IC004-2	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was manufactured prior to and not modified/reconstructed after 06/12/2006.
GRP-ENGINE8	IC003-13, IC004-2	40 CFR Part 63, Subpart ZZZZ	Stationary SI is an existing institutional emergency engine.
GRP-ENGINE9	IC001-18, IC001-21, IC001-22, IC001-25, IC001-30, IC001-36	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
GRPTANK11	ST004A, ST004B	40 CFR Part 60, Subpart Ka	Each storage vessel stores a petroleum liquid with a Reid vapor pressure of less than 1.0 psia provided the maximum true vapor pressure does not exceed 1.0 psia.
GRPTANK6	ST005B, ST005C, ST005F, ST006A, ST006B, ST006C, ST006D, ST007A, ST007C, ST007D, ST007E, ST007F, ST007G, ST008A, ST008B,	40 CFR Part 60, Subpart Kb	Tank capacities less than 19,813 gallons (< 10,600 gallons).

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	ST008C, ST008D, ST008E, ST008F, ST008G, ST008H, ST008I, ST008J, ST008K, ST008L, ST008M, ST008N, ST008O, ST008P, ST008Q, ST009A, ST009B, ST009C, ST009D, ST009E, ST010A, ST010B, ST010C		
GRPTANK8	ST005A, ST006E, ST008S, ST008T, ST008U, ST008V, ST008W, ST009F	40 CFR Part 60, Subpart Kb	Tank capacities of 19,813-39890 gallons product tvp <2.1 psia.
GRPTANK9	FS011A, FS011B, FS011C, ST001A, ST001B, ST001C	40 CFR Part 60, Subpart Kb	tank capacities >39,890 gallons, product tvp <0.5 psia.
GRPTEST	ET001, ET003	40 CFR Part 63, Subpart PPPPP	Engine test cell/stand is located at an area source of HAP emissions.
GRP-WW	WW004, WW007, WW008, WW009	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
GRP-WW	WW004, WW007, WW008, WW009	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
GRP-WW	WW004, WW007, WW008, WW009	40 CFR Part 60, Subpart TT	Not applicable since this is not a part of a metal coil surface coating operation.
IC001-37	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
IC001-43	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
IC001-43	N/A	40 CFR Part 63, Subpart ZZZZ	Stationary CI is an existing institutional emergency engine.
IC001-44	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
IC001-47	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
IC001-47	N/A	40 CFR Part 63, Subpart ZZZZ	Stationary CI is an existing institutional emergency engine.
IC001-5	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
IC001-5	N/A	40 CFR Part 63, Subpart ZZZZ	Stationary CI is an existing institutional emergency engine.
IC001-9	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE manufactured prior to and not modified/reconstructed after 07/11/2005.
IC001-9	N/A	40 CFR Part 63, Subpart ZZZZ	Stationary CI is an existing institutional emergency engine.
IC003-5	N/A	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was manufactured prior to

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			and not modified/reconstructed after 06/12/2006.
IC004-1	N/A	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was manufactured prior to and not modified/reconstructed after 06/12/2006.
IC004-1	N/A	40 CFR Part 63, Subpart ZZZZ	Stationary SI is an existing institutional emergency engine.
LR002	N/A	40 CFR Part 60, Subpart XX	Not applicable since it is not a bulk gasoline terminal loading rack.
LR002	N/A	40 CFR Part 61, Subpart BB	Not applicable since no benzene loading occurs at the site.
LR002	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not a gasoline distribution terminal.
LR003	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Does not load gasoline.
MO002	N/A	30 TAC Chapter 113, Municipal Solid Waste Landfill	Landfill does not meet definition of existing MSWLF (not constructed prior to 5/30/1991).
MO006	N/A	40 CFR Part 60, Subpart XX	Not applicable since it is not a bulk gasoline terminal loading rack.
MO006	N/A	40 CFR Part 61, Subpart BB	Not applicable since no benzene loading occurs at the site.
MO006	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not a gasoline distribution terminal.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
SC001	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC001	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC001	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC001	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC002	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC002	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC002	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC002	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC003	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC003	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
SC003	N/A	40 CFR Part 60, Subpart TT	Not applicable since it is not a part of metal coil surface coating operations.
SC003	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC004	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC004	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC004	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC004	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC005	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC005	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC005	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC005	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC006	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			metal furniture coating operation.
SC006	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC006	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in manufacturing process of pressure sensitive tape or label materials.
SC006	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC007	N/A	40 CFR Part 60, Subpart EE	Not applicable since it is not a part of a metal furniture coating operation.
SC007	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC007	N/A	40 CFR Part 60, Subpart TT	Not applicable since it is not a part of metal coil surface coating operations.
SC007	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC009	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC009	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC009	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			tape or label materials.
SC009	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC011	N/A	40 CFR Part 60, Subpart EE	Not applicable since it is not a part of a metal furniture coating operation.
SC011	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC011	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC011	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC013	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC013	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC013	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacture of pressure sensitive tape or label materials.
SC013	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC015	N/A	40 CFR Part 60, Subpart EE	Not applicable since it is not a part of a metal furniture coating operation.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
SC015	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC015	N/A	40 CFR Part 60, Subpart TT	Not applicable since it is not part of metal coil surface coating operations.
SC015	N/A	40 CFR Part 63, Subpart GG	Not applicable since it is not associated with the manufacture or rework of aerospace equipment or parts.
SC015	N/A	40 CFR Part 63, Subpart JJ	Not applicable since it is not a part of wood furniture coating operations.
SC017	N/A	40 CFR Part 60, Subpart EE	Not applicable since this is not a part of a metal furniture coating operation.
SC017	N/A	40 CFR Part 60, Subpart MM	Not applicable since this is not a part of a vehicle assembly plant.
SC017	N/A	40 CFR Part 60, Subpart RR	Not applicable since not used in the manufacturing process of pressure sensitive tape or label materials.
SC017	N/A	40 CFR Part 63, Subpart JJ	Not applicable since this is not a part of wood furniture coating operations.
SC021	N/A	40 CFR Part 60, Subpart EE	Not a metal furniture surface coating operation.
SC021	N/A	40 CFR Part 60, Subpart MM	Not part of a vehicle assembly plant.
SC021	N/A	40 CFR Part 60, Subpart RR	Not used in the manufacturing process of

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			pressure sensitive tape or label materials.
SC021	N/A	40 CFR Part 60, Subpart TT	Not a metal coil surface coating operation.
SC021	N/A	40 CFR Part 63, Subpart JJ	Not a wood furniture manufacturing operation.
ST002A	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank is located in Bell County which is a covered attainment county, but has no requirements under Subchapter B, Division 1.
ST003A	N/A	40 CFR Part 60, Subpart Kb	Does not apply at a bulk gasoline plant.
ST005E	N/A	30 TAC Chapter 115, Storage of VOCs	Not applicable since base is located in Bell & Coryell counties.
ST005E	N/A	40 CFR Part 60, Subpart Kb	Not applicable since the storage tank is located at a gasoline service station
ST005E	N/A	40 CFR Part 60, Subpart Y	Not applicable since tank does not store benzene.
ST005E	N/A	40 CFR Part 63, Subpart R	Not applicable since not associate with a bulk gasoline terminal.
ST005G	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank is located in Bell County which is a covered attainment county, but has no requirements under Subchapter B, Division 1.
ST005I	N/A	40 CFR Part 60, Subpart Kb	Tank capacities less than 19,813 gallons (< 10,600 gallons).

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
ST007B	N/A	30 TAC Chapter 115, Storage of VOCs	Not applicable since base is located in Bell & Coryell counties.
ST007B	N/A	40 CFR Part 60, Subpart Kb	Not applicable since the gasoline storage tank is located at a gasoline storage station.
ST007B	N/A	40 CFR Part 61, Subpart Y	Not applicable since the tank does not store benzene.
ST007B	N/A	40 CFR Part 63, Subpart R	Not applicable since it is not associated with a bulk gasoline terminal.
WW002	N/A	40 CFR Part 63, Subpart QQQQ	Surface coating of wood building products occurs as part of building maintenance.

New Source Review Authorization References

New Source Review Authorization References 114

New Source Review Authorization References by Emission Unit 117

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 24538	Issuance Date: 08/14/2015
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.142	Version No./Date: 03/14/1997
Number: 106.142	Version No./Date: 03/23/2006
Number: 106.183	Version No./Date: 06/15/1997
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.231	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 03/14/1997
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/09/1998
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.313	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 11/26/1997
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 03/14/1997
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.495	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.533	Version No./Date: 03/14/1997
Number: 106.533	Version No./Date: 11/01/2001
Number: 14	Version No./Date: 10/04/1995
Number: 41	Version No./Date: 11/25/1985
Number: 41	Version No./Date: 11/05/1986
Number: 41	Version No./Date: 06/07/1996
Number: 46	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 09/23/1982
Number: 51	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 10/04/1995
Number: 51	Version No./Date: 06/07/1996
Number: 70	Version No./Date: 11/25/1985
Number: 70	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 07/20/1992
Number: 70	Version No./Date: 06/07/1996
Number: 75	Version No./Date: 04/05/1995
Number: 75	Version No./Date: 06/07/1996
Number: 80	Version No./Date: 12/01/1972
Number: 80	Version No./Date: 09/17/1973
Number: 80	Version No./Date: 01/08/1980
Number: 80	Version No./Date: 09/23/1982
Number: 80	Version No./Date: 06/07/1996
Number: 86	Version No./Date: 10/04/1995
Number: 89	Version No./Date: 05/04/1994

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 102	Version No./Date: 05/04/1994
Number: 106	Version No./Date: 10/04/1995
Number: 107	Version No./Date: 05/04/1994
Number: 107	Version No./Date: 06/07/1996
Number: 110	Version No./Date: 09/12/1989
Number: 113	Version No./Date: 10/04/1995
Number: 124	Version No./Date: 05/04/1994
Number: 124	Version No./Date: 06/07/1996
Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.: 88412	

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ARO10A	HAND-WIPE CLEANING OPERATION, BLDG. 7013	80/12/01/1972
ARO10B	HAND-WIPE CLEANING OPERATION, BLDG. 7013	80/12/01/1972
ARO16A	HAND-WIPE CLEANING OPERATION, BLDG. 90094	70/11/25/1985
ARO16B	HAND-WIPE CLEANING OPERATION, BLDG. 90094	70/11/25/1985
ARO17A	HAND-WIPE CLEANING OPERATION, BLDG. 90098	70/11/05/1986
ARO17B	HAND-WIPE CLEANING OPERATION, BLDG. 90098	70/11/05/1986
ARO18A	HAND-WIPE CLEANING OPERATION, BLDG. 90033	70/11/25/1985
ARO18B	HAND-WIPE CLEANING OPERATION, BLDG. 90033	70/11/25/1985
ARO19A	HAND-WIPE CLEANING OPERATION, BLDG. 88024	70/06/07/1996
ARO19B	HAND-WIPE CLEANING OPERATION, BLDG. 88024	70/06/07/1996
ARO1A	HAND-WIPE CLEANING OPERATION BLDG 6978	124/05/04/1994
ARO1B	HAND-WIPE CLEANING OPERATION, BLDG. 6978	70/11/05/1986
ARO20A	HAND-WIPE CLEANING OPERATION, BLDG. 88024	70/06/07/1996
ARO20B	HAND-WIPE CLEANING OPERATION, BLDG. 88024	70/06/07/1996
ARO21A	HAND-WIPE CLEANING OPERATION, BLDG. 88027	70/07/20/1992
ARO21B	HAND-WIPE CLEANING OPERATION, BLDG. 88027	70/07/20/1992
ARO25A	HAND-WIPE CLEANING OPERATION, BLDG. 90051	80/12/01/1972
ARO25B	HAND-WIPE CLEANING OPERATION, BLDG. 90051	80/12/01/1972
ARO26A	HAND-WIPE CLEANING OPERATION, BLDG. 90051	80/12/01/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ARO26B	HAND-WIPE CLEANING OPERATION, BLDG. 90051	80/12/01/1972
ARO28	SITE WIDE COLD SOLVENT PARTS CLEANERS	107/05/04/1994
ARO29	SITE WIDE COLD SOLVENT PARTS CLEANERS	107/05/04/1994
ARO2A	HAND-WIPE CLEANING OPERATION, BLDG. 6975	124/05/04/1994
ARO2B	HAND-WIPE CLEANING OPERATION, BLDG. 6975	70/11/05/1986
ARO30	ENGINE CLEANING BY FLUSHING BLDG. 90033	41/11/25/1985
ARO31	ENGINE CLEANING BY FLUSHING BLDG. 90051	46/05/08/1972
ARO32	COLD SOLVENT PARTS WASHER, BLDG. 90098	107/05/04/1994
ARO33	ENGINE CLEANING BY FLUSHING BLDG. 90098	41/11/05/1986
ARO34	COLD SOLVENT PARTS WASHER BLDG. 90051	107/05/04/1994
ARO35	ENGINE CLEANING BY FLUSHING, BLDG. 90051	46/05/08/1972
ARO36	COLD SOLVENT PARTS WASHER, BLDG. 6940	107/05/04/1994
ARO37	COLD SOLVENT PARTS WASHER, BLDG. 7007	107/05/04/1994
ARO38	COLD SOLVENT PARTS WASHER BLDG. 7021	107/05/04/1994
ARO39	COLD SOLVENT PARTS WASHER BLDG. 7022	107/05/04/1994
ARO3A	HAND-WIPE CLEANING OPERATION, BLDG. 7007	124/05/04/1994
ARO3B	HAND-WIPE CLEANING OPERATION, BLDG. 7007	80/09/17/1973
ARO42	COLD SOLVENT PARTS WASHER, BLDG. 7013	107/05/04/1994
ARO43A	HAND WIPE CLEAINING, BLDG 6940 (AVIM)	70/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ARO43B	HAND WIPE CLEANING, BLDG 6940 (AVIM)	70/11/05/1986
ARO44A	HAND WIPE CLEAINING, BLDG 90094	70/11/05/1986
ARO44B	HAND WIPE CLEANING, BLDG 90094 (AVIM)	70/11/05/1986
ARO45A	HAND WIPE CLEAINING, BLDG 707	124/05/04/1994
ARO45B	HAND WIPE CLEANING, BLDG 707	124/05/04/1994
ARO46A	HAND WIPE CLEANING, BLDG 708	124/05/04/1994
ARO46B	HAND WIPE CLEANING, BLDG 708	124/05/04/1994
ARO47A	HAND WIPE CLEANING, BLDG 6970	70/11/05/1986
ARO47B	HAND WIPE CLEANING, BLDG 6970	70/11/05/1986
ARO48A	HAND WIPE CLEANING, BLDG 6972	70/11/05/1986
ARO48B	HAND WIPE CLEANING, BLDG 6972	70/11/05/1986
ARO49A	HAND WIPE CLEANING, BLDG 7027	124/05/04/1994
ARO49B	HAND WIPE CLEANING, BLDG 7027	124/05/04/1994
ARO4A	HAND-WIPE CLEANING OPERATION, BLDG. 6940	124/05/04/1994
ARO4B	HAND-WIPE CLEANING OPERATION, BLDG. 6940	70/11/05/1986
ARO5A	HAND-WIPE CLEANING OPERATION, BLDG. 7021	124/05/04/1994
ARO5B	HAND-WIPE CLEANING OPERATION, BLDG. 7021	80/09/23/1982
ARO65	TOUCHUP TOPCOAT OPERATION, BLDG 707	70/06/07/1996
ARO66	TOUCHUP TOPCOAT OPERATION, BLDG 708	70/06/07/1996

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ARO67	TOUCHUP TOPCOAT OPERATION, BLDG 7027	70/06/07/1996
ARO68	ENGINE FLUSH CLEANING, BLDG 6975	041/06/07/1996, 41/06/07/1996
ARO69	ENGINE FLUSH CLEANING, BLDG 6975	41/06/07/1996
ARO6A	HAND-WIPE CLEANING OPERATION, BLDG. 7022	80/01/08/1980
ARO6B	HAND-WIPE CLEANING OPERATION, BLDG. 7022	80/01/08/1980
ARO70	ENGINE FLUSH CLEANING, BLDG 6978	41/06/07/1996
ARO71	ENGINE FLUSH CLEANING, BLDG 7012/7013	41/06/07/1996
ARO72	ENGINE FLUSH CLEANING, BLDG 7021	41/06/07/1996
ARO73	ENGINE FLUSH CLEANING, BLDG 7022	41/06/07/1996
ARO74	ENGINE FLUSH CLEANING, BLDG 90094 (AVIM)	41/06/07/1996
ARO75	ENGINE FLUSH CLEANING, BLDG 707	41/06/07/1996
ARO76	ENGINE FLUSH CLEANING, BLDG 708	41/06/07/1996
ARO77	ENGINE FLUSH CLEANING, BLDG 6972	41/06/07/1996
ARO78	ENGINE FLUSH CLEANING, BLDG 7027	41/06/07/1996
ARO79	COLD PARTS WASHING, BLDG 6940 (AVIM)	106.454/03/14/1997
ARO7A	HAND-WIPE CLEANING OPERATION, BLDG. 7012	80/12/01/1972
ARO7B	HAND-WIPE CLEANING OPERATION, BLDG. 7012	80/12/01/1972
ARO80	COLD PARTS WASHING, BLDG 6970	106.454/03/14/1997
ARO81	COLD PARTS WASHING, BLDG 6975	106.454/03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ARO82	COLD PARTS WASHING, BLDG 6975	106.454/03/14/1997
ARO83	COLD PARTS WASHING, BLDG 6978	106.454/03/14/1997
ARO84	COLD PARTS WASHING, BLDG 90094	106.454/03/14/1997
ARO85	COLD PARTS WASHING, BLDG 90094 (AVIM)	106.454/03/14/1997
ARO86	COLD PARTS WASHING, BLDG 707	106.454/03/14/1997
ARO87	COLD PARTS WASHING, BLDG 708	106.454/03/14/1997
ARO88	COLD PARTS WASHING, BLDG 7012	106.454/03/14/1997
ARO89	COLD PARTS WASHING, BLDG 7027	106.454/03/14/1997
ARO8A	HAND-WIPE CLEANING OPERATION, BLDG. 6975	70/11/05/1986
ARO8B	HAND-WIPE CLEANING OPERATION, BLDG. 6975	70/11/05/1986
ARO90	COLD PARTS WASHING, BLDG 88027	106.454/03/14/1997
BOILER10	STEAM BOILERS - BLDG 36000	106.183/06/18/1997
BOILER11	STEAM BOILERS - BLDG 36000	106.183/06/18/1997
BOILER12	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER13	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER14	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER15	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER16	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER17	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
BOILER18	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER19	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER20	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER21	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER22	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER23	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER24	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER25	EXTERNAL COMBUSTION UNITS < 10MMBTU/HR	106.183/09/04/2000
BOILER9	STEAM BOILERS - BLDG 36000	106.183/06/15/1997
COMPREP	COMPOSITE SITE OPERATIONS	113/10/04/1995
ET001	JET ENGINE TESTING	106.263/09/09/1998
ET003	VEHICLE ENGINE TESTING	106.263/09/09/1998
FS011A	HAAF JP-8 STORAGE TANK A	106.472/03/14/1997
FS011B	HAAF JP-8 STORAGE TANK B	106.472/03/14/1997
FS011C	HAAF JP-8 STORAGE TANK C	106.472/03/14/1997
FS011	HAAF JP-8 FUELING STATION	106.412/03/14/1997
FS018A	DOL TANK FARM BIODIESEL STORAGE TANK A	51/11/05/1986
FS018	DOL FUELING STATION - BIODIESEL	106.412/09/04/2000
FS019A	DOL FUELING STATION E-85 STORAGE TANK A	106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FS019	DOL FUELING STATION - E-85 GASOLINE	106.412/09/04/2000
FS020	NFH FUELING STATION	106.412/09/04/2000
FS021	SPLIT TANK GASOLINE FUELING STATION	106.412/09/04/2000
FS022	SPLIT TANK DIESEL FUELING STATION	106.412/09/04/2000
IC001-10	DIESEL ENGINE 1ST ARMY HQ BLDG 410	106.511/09/04/2000
IC001-14	DIESEL ENGINE RANGE CONTROL BLDG 56000	106.511/09/04/2000
IC001-16	DIESEL ENGINE GRANGER LAKE BLDG GRL03	106.511/09/04/2000
IC001-17	DIESEL ENGINE RGAAF NLV EAST BLDG 90095	106.511/09/04/2000
IC001-18	DIESEL ENGINE ACP #9A-WFH CLARK GATE BLDG 70017	106.511/09/04/2000
IC001-19	DIESEL ENGINE DELUGE PUMP BLDG 89100B	106.511/09/04/2000
IC001-21	DIESEL ENGINE ACP #2 EAST GATE BLDG 5793	106.511/09/04/2000
IC001-22	DIESEL ENGINE ACP #3 CLEAR CREEK GATE BLDG 49022	106.511/09/04/2000
IC001-24	DIESEL ENGINE RGAAF PRECISION APPROACH RADAR	106.511/09/04/2000
IC001-25	DIESEL ENGINE ACP #4 WARRIOR WAY GATE BLDG 8680	106.511/09/04/2000
IC001-30	DIESEL ENGINE ACP #1 MAIN GATE BLDG 6031	106.512/09/04/2000
IC001-32	DIESEL ENGINE RGAAF ASR-9 RADAR BLDG 92087	106.511/09/04/2000
IC001-33	DIESEL ENGINE DELUGE PUMP #1 BLDG 90034A	106.511/09/04/2000
IC001-34	DIESEL ENGINE DELUGE PUMP #2 BLDG 90034B	106.511/09/04/2000
IC001-35	DIESEL ENGINE DELUGE PUMP #3 BLDG 90034C	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
IC001-36	DIESEL ENGINE RGAAF BASE OPN BLDG 90029	106.511/09/04/2000
IC001-37	DIESEL ENGINE DELUGE PUMP BLDG 88020	106.511/09/04/2000
IC001-42	DIESEL ENGINE COLD STORAGE BLDG 57003-2	106.511/09/04/2000
IC001-43	DIESEL ENGINE FHFD - STATION 1 BLDG 23025	106.511/09/04/2000
IC001-44	DIESEL ENGINE RGAAF BAGGAGE TERMINAL BLDG 90155	106.511/09/04/2000
IC001-46	DIESEL ENGINE FHFD - STATION 3 BLDG 7083	106.511/09/04/2000
IC001-47	DIESEL ENGINE DES PHYSICAL SECURITY BLDG 2310	106.511/09/04/2000
IC001-48	DIESEL ENGINE OTC COMP SITE BLDG 53400	106.511/09/04/2000
IC001-49	DIESEL ENGINE OTC SCIF SITE BLDG 90132	106.511/09/04/2000
IC001-50	DIESEL ENGINE UNDERGRND TRAINING SITE BLDG 92026	106.511/09/04/2000
IC001-51	DIESEL ENGINE DOL ADMIN BLDG 89010	106.511/09/04/2000
IC001-53	DIESEL ENGINE DOL MAINFRAME BLDG 88037	106.511/09/04/2000
IC001-54	DIESEL ENGINE ACP #2A - HWY 195 GATE BLDG 5758	106.511/09/04/2000
IC001-55	DIESEL ENGINE FHFD STATION 4 BLDG 56519	106.511/09/04/2000
IC001-56	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2251	106.511/09/04/2000
IC001-57	DIESEL ENGINE FIRE PUMP #1 BLDG 90056	106.511/09/04/2000
IC001-58	DIESEL ENGINE FIRE PUMP #2 BLDG 90056	106.511/09/04/2000
IC001-59	DIESEL ENGINE FIRE PUMP #3 BLDG 90056	106.511/09/04/2000
IC001-5	DIESEL IC EQUIPMENT < 600HP	106.511/03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
IC001-60	DIESEL ENGINE FIRE PUMP #1 BLDG 90177	106.511/09/04/2000
IC001-61	DIESEL ENGINE FIRE PUMP #2 BLDG 90177	106.511/09/04/2000
IC001-62	DIESEL ENGINE FIRE PUMP #3 BLDG 90177	106.511/09/04/2000
IC001-64	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56175	106.511/09/04/2000
IC001-65	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90067	106.511/09/04/2000
IC001-66	DIESEL ENGINE EMERGENCY GENERATOR ACP EAST RANGE	106.511/09/04/2000
IC001-67	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56021	106.511/09/04/2000
IC001-68	DIESEL ENGINE EMERGENCY GENERATOR BLDG 23022	106.511/09/04/2000
IC001-69	DIESEL ENGINE EMERGENCY GENERATOR BLDG 36032	106.511/09/04/2000
IC001-70	DIESEL ENGINE EMERGENCY GENERATOR BLDG 94040	106.511/09/04/2000
IC001-71	DIESEL ENGINE EMERGENCY GENERATOR BLDG 8670	106.511/09/04/2000
IC001-72	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90154	106.511/09/04/2000
IC001-74	DIESEL ENGINE EMERGENCY GENERATOR BLDG 56149	106.511/09/04/2000
IC001-8	DIESEL ENGINE, FH CMNI, BLDG 90500	106.511/09/04/2000
IC001-9	DIESEL ENGINE, VISITOR CENTER, BLDG 69012	106.511/09/04/2000
IC002-10	DIESEL ENGINE EMERGENCY GENERATOR DAMC #1	106.511/09/04/2000
IC002-11	DIESEL ENGINE EMERGENCY GENERATOR DAMC #2	106.511/09/04/2000
IC002-12	DIESEL ENGINE EMERGENCY GENERATOR DAMC #3	106.511/09/04/2000
IC002-13	DIESEL ENGINE EMERGENCY GENERATOR DAMC #4	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
IC002-14	DIESEL ENGINE EMERGENCY GENERATOR BLDG 91012	106.511/09/04/2000
IC002-15	DIESEL ENGINE EMERGENCY GENERATOR BLDG 13	106.511/09/04/2000
IC002-16	DIESEL ENGINE EMERGENCY GENERATOR BLDG 28000	106.511/09/04/2000
IC002-1	DIESEL IC EQUIPMENT > 600HP	106.511/03/14/1997
IC002-3	DIESEL ENGINE DAMC BLDG 36000	106.511/09/04/2000
IC002-4	DIESEL IC EQUIPMENT > 600HP	106.511/03/14/1997
IC002-5	DIESEL ENGINE DAMC BLDG 36000	106.511/09/04/2000
IC002-6	DIESEL ENGINE ACS G2ITCE BLDG 22012	106.511/09/04/2000
IC002-7	DIESEL ENGINE III CORPS HQ #1 BLDG 1001	106.511/09/04/2000
IC002-8	DIESEL ENGINE III CORPS HQ #2 BLDG 1001	106.511/09/04/2000
IC002-9	DIESEL ENGINE III CORPS HQ #3 BLDG 1001	106.511/09/04/2000
IC003-10	4SLB ENGINE NEC RSC #1 BLDG 29017	106.511/09/04/2000
IC003-11	4SLB ENGINE NEC RSC #6 BLDG 91078	106.511/09/04/2000
IC003-13	4SRB ENGINE FHFD - RGAAF BLDG 90145	106.511/09/04/2000
IC003-14	4SRB ENGINE RGAAF - NLV BLDG 90048	106.511/09/04/2000
IC003-1	4SLB ENGINE DPW HQ BLDG 4612	106.511/09/04/2000
IC003-16	4SRB ENGINE NEC HQ BLDG 422	106.511/09/04/2000
IC003-17	4SRB ENGINE NEC HQ BLDG 422	106.511/09/04/2000
IC003-18	4SRB ENGINE NEC RSC #4 BLDG 7031	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
IC003-19	4SRB ENGINE NEC RSC #5 SOUTH BLDG 56500	106.511/09/04/2000
IC003-20	4SRB ENGINE NEC RSC #7 BLDG 88021	106.511/09/04/2000
IC003-21	DIESEL ENGINE EMERGENCY GENERATOR BLDG 2206	106.511/09/04/2000
IC003-22	DIESEL ENGINE EMERGENCY GENERATOR BLDG 90140	106.511/09/04/2000
IC003-23	DIESEL ENGINE EMERGENCY GENERATOR BLDG 50027	106.511/09/04/2000
IC003-2	NATURAL GAS IC EQUIPMENT	106.511/03/14/1997
IC003-3	NATURAL GAS IC EQUIPMENT	106.511/03/14/1997
IC003-4	4SLB ENGINE EMERGENCY GENERATOR BLDG 36016	106.511/09/04/2000
IC003-5	4SLB ENGINE NEC RSC #5 NORTH BLDG 56304	106.511/09/04/2000
IC003-6	4SLB ENGINE NEC RSC #2 BLDG 4304	106.511/09/04/2000
IC003-7	4SLB ENGINE HAAV BLDG 7004	106.511/09/04/2000
IC003-8	4SLB ENGINE HAAF TRANSMITTER BLDG 7016	106.511/09/04/2000
IC003-9	4SLB ENGINE NEC RSC #3 BLDG 11002	106.511/09/04/2000
IC004-1	4SLB ENGINE FHFD TRANSMITTER BLDG 56014	106.511/09/04/2000
IC004-2	4SRB ENGINE FHFD RGAAF BLDG 90145-2	106.511/09/04/2000
IC004-3	4SRB ENGINE RGAAF NLV BLDG 90048-2	106.511/09/04/2000
IC004-5	4SRB ENGINE RADAR HILL TRUNK SITE BLSG 90072	106.511/09/04/2000
IC004-6	4SRB ENGINE BLORA TRUNK SITE BLDG 20159	106.511/09/04/2000
IC004-7	4SRB ENGINE BLACK MTN TRUNK SITE BLDG 56262	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
IC004-8	4SRB ENGINE EMERGENCY GENERATOR BLDG 90140-2	106.511/09/04/2000
IC005-1	DIESEL ENGINE LANDFILL LAKE WATER PUMP BLDG 5610	106.512/06/13/2001
LR001	SITE WIDE GASOLINE LOADING RACK	106/10/04/1995, 14/10/04/1995, 51/10/04/1995
LR002	SITE WIDE DIESEL LOADING RACKS	106.472/03/14/1997
LR003	SITE WIDE JP-8 LOADING RACKS	106/10/04/1995, 14/10/04/1995, 51/10/04/1995
MO011	AMMO CRUSHING OPERATIONS	106.262/11/01/2003
MO001	CLOSED MSW LANDFILL	110/09/12/1989
MO002	OPEN MSW LANDFILL	110/09/12/1989
MO004	BIOREMEDIATION OPERATIONS	106.262/03/14/1997, 106.533/03/14/1997
MO006	SITE WIDE TANK PURGE OPERATIONS	106.262/03/14/1997
SC001	PAINT SPRAY BOOTH BLDG 32023	24538
SC002	PAINT SPRAY BOOTH BLDG 40009	24538
SC003	PAINT SPRAY BOOTH BLDG 7013	24538
SC004	PAINT SPRAY BOOTH BLDG 88027 BAY I	24538
SC005	PAINT SPRAY BOOTH BLDG 88027 BAY II	24538
SC006	PAINT SPRAY BOOTH BLDG 88027 BAY III	24538
SC007	PAINT SPRAY BOOTH OPERATIONS BLDG 88027	24538

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
SC009	PAINT SPRAY BOOTH BLDG 13065	24538
SC011	PAINT SPRAY BOOTH BLDG 92060	106.433/03/14/1997
SC013	PAINT SPRAY BOOTH BLDG 9576	24538
SC015	MISCELLANEOUS SURFACE COATING OPERATIONS	106.433/03/14/1997
SC017	PAINT SPRAY BOOTH BLDG 11057	106.433/09/04/2000
SC021	PAINT SPRAYING BOOTH BLDG 22041	106.433/09/04/2000
ST001A	DOL TANK FARM JP-8 STORAGE TANK A	51/11/05/1986
ST001B	DOL TANK FARM JP-8 STORAGE TANK B	51/11/05/1986
ST001C	DOL TANK FARM JP-8 STORAGE TANK C	51/11/05/1986
ST002A	DOL TANK FARM DIESEL STORAGE TANK A	51/11/05/1986
ST003A	DOL TANK FARM GASOLINE STORAGE TANK A	106.412/03/14/1997
ST004A	RGAAF BULK JP-8 STORAGE TANK A	51/09/23/1982
ST004B	RGAAF BULK JP-8 STORAGE TANK B	51/09/23/1982
ST005A	MISCELLANEOUS DIESEL STORAGE TANK A	51/10/04/1995
ST005B	MISCELLANEOUS DIESEL STORAGE TANK B	106.412/09/04/2000
ST005C	MISCELLANEOUS DIESEL STORAGE TANK C	106.412/09/04/2000
ST005E	MISC DIESEL STORAGE TANK E	106.472/03/14/1997
ST005F	MISCELLANEOUS DIESEL STORAGE TANK F	106.412/09/04/2000
ST005G	MISCELLANEOUS DIESEL STORAGE TANK G	106.412/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ST005I	DAMC DIESEL STORAGE TANK I	106.412/09/04/2000, 106.472/09/04/2000
ST006A	MISCELLANEOUS JP-8 STORAGE TANK A	106.472/09/04/2000
ST006B	MISCELLANEOUS JP-8 STORAGE TANK B	106.412/09/04/2000
ST006C	MISCELLANEOUS JP-8 STORAGE TANK C	106.412/09/04/2000
ST006D	MISCELLANEOUS JP-8 STORAGE TANK D	106.412/09/04/2000
ST006E	MISCELLANEOUS JP-8 STORAGE TANK E	106.412/09/04/2000
ST007A	MISCELLANEOUS GASOLINE STORAGE TANK A	106.412/09/04/2000
ST007B	MISC GASOLINE STORAGE TANK B	106.473/03/14/1997
ST007C	MISCELLANEOUS GASOLINE STORAGE TANK C	106.412/09/04/2000
ST007D	MISCELLANEOUS GASOLINE STORAGE TANK D	106.412/09/04/2000
ST007E	MISCELLANEOUS GASOLINE STORAGE TANK E	106.412/09/04/2000
ST007F	MISCELLANEOUS GASOLINE STORAGE TANK F	106.412/09/04/2000
ST007G	MISCELLANEOUS GASOLINE STORAGE TANK G	106.412/09/04/2000
ST008A	MISCELLANEOUS USED OIL STORAGE TANK A	106.472/09/04/2000
ST008B	MISCELLANEOUS USED OIL STORAGE TANK B	106.472/09/04/2000
ST008C	MISCELLANEOUS USED OIL STORAGE TANK C	106.472/09/04/2000
ST008D	MISCELLANEOUS USED OIL STORAGE TANK D	106.472/09/04/2000
ST008E	MISCELLANEOUS USED OIL STORAGE TANK E	106.472/09/04/2000
ST008F	MISCELLANEOUS USED OIL STORAGE TANK F	106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ST008G	MISCELLANEOUS USED OIL STORAGE TANK G	106.412/09/04/2000
ST008H	MISCELLANEOUS USED OIL STORAGE TANK H	106.472/09/04/2000
ST008I	MISCELLANEOUS USED OIL STORAGE TANK I	106.472/09/04/2000
ST008J	MISCELLANEOUS USED OIL STORAGE TANK J	106.472/09/04/2000
ST008K	MISCELLANEOUS USED OIL STORAGE TANK K	106.472/09/04/2000
ST008L	MISCELLANEOUS USED OIL STORAGE TANK L	106.472/09/04/2000
ST008M	MISCELLANEOUS USED OIL STORAGE TANK M	106.472/09/04/2000
ST008N	MISCELLANEOUS USED OIL STORAGE TANK N	106.472/09/04/2000
ST008O	MISCELLANEOUS USED OIL STORAGE TANK O	106.472/09/04/2000
ST008P	MISCELLANEOUS USED OIL STORAGE TANK P	106.472/09/04/2000
ST008Q	MISCELLANEOUS USED OIL STORAGE TANK Q	106.472/09/04/2000
ST008S	MISCELLANEOUS USED OIL STORAGE TANK S	106.472/09/04/2000
ST008T	MISCELLANEOUS USED OIL STORAGE T	106.472/09/04/2000
ST008U	MISCELLANEOUS USED OIL STORAGE TANK U	106.472/09/04/2000
ST008V	MISCELLANEOUS USED OIL STORAGE TANK V	106.472/09/04/2000
ST008W	MISCELLANEOUS USED OIL STORAGE TANK W	106.472/09/04/2000
ST009A	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK A	106.472/09/04/2000
ST009B	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK B	106.472/09/04/2000
ST009C	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK C	106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ST009D	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK D	106.472/09/04/2000
ST009E	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK E	106.472/09/04/2000
ST009F	MISCELLANEOUS OFF-SPEC FUEL STORAGE TANK F	106.472/09/04/2000
ST010A	MISCELLANEOUS OIL STORAGE TANK A	106.472/09/04/2000
ST010B	MISCELLANEOUS OIL STORAGE TANK B	106.472/09/04/2000
ST010C	MISCELLANEOUS OIL STORAGE TANK C	106.472/09/04/2000
WW002	ALL-STAR WOODWORKING OPERATIONS	106.231/09/04/2000
WW004	DMWR WOODWORKING OPERATIONS	106.231/09/04/2000
WW007	TSC WOODWORKING OPERATIONS	106.265/09/04/2000
WW008	WOODWORKING OPERATIONS BLDG 25031	106.265/09/04/2000
WW009	WOODWORKING OPERATIONS BLDG40009	106.265/09/04/2000

Appendix A

Acronym List 134

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

APPENDIX B

Source Emission Calculations

SOURCE EMISSION CALCULATIONS

Air emission estimates were developed for each source category using the calculation methodologies described below.

Abrasive Blasting Operations

Actual annual PM-total emissions from abrasive blasting operations are based on the average blasting media usage rate, the control efficiency of the filtration system, annual hours of operation, and an industry accepted emissions factor from The State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Officials (ALAPCO). The equation below is used to calculate the annual actual PM emissions.

$$AE_{TSP}\left(\frac{ton}{year}\right) = MUR\ (lbs) * EF\left(\frac{lb\ PM}{lb\ media}\right) * \left(1-\frac{PMEFF}{100}\right) * CF$$

Where: AE = actual emissions; EF = emission factor; MUR = media usage; PMEFF = particulate control efficiency; CF = conversion factor (lb to tons)

Example 1: Actual annual PM-total emissions from the site-wide Abrasive Blasting operations (AB002).

Given: MUR = 2400; PMEFF = 99.85%; EF = 0.01; CF = 0.0005

$$\mathbf{0.0015}\left(\frac{ton}{year}\right) = 2400\,(lbs) * 0.82\left(\frac{lb\ PM}{lb\ media}\right) * \left(1-\frac{99.85}{100}\right) * 0.0005$$

External Combustion Equipment

Actual air emissions from the external combustion equipment are estimated by multiplying the actual fuel usage by the appropriate emission factor set from the 5th edition of *Compilation of Air Pollution Emission Factors – Volume I* (AP-42), U.S. Environmental Protection Agency (USEPA). For natural gas-fired units, emission factors from Section 1.4 of AP-42 are used. For units that use fuel oil as primary or back up, emission factors from Section 1.3 of AP-42 are used. The following equation is used to calculate the actual annual emission rates for all pollutants from the external combustion equipment:

$$AE\left(\frac{ton}{year}\right) = AFU\left(\frac{MMcf}{year}\right) * EF\left(\frac{lb}{MMcf}\right) * CF$$

Where: AE = actual emissions
AFU = actual fuel usage (natural gas)
CF = conversion factor (lb to tons)
EF = emission factor

$$AE\left(\frac{ton}{year}\right) = AFU\left(\frac{gal}{year}\right) * EF\left(\frac{lb}{1000gal}\right) * CF$$

Where: AE = actual emissions
AFU = actual fuel usage (fuel oil)
CF = conversion factor (lb to tons)
EF = emission factor

Example 2: Actual NO_X emissions from EC001, three natural gas-fired hot water boilers at building 36000.

Given: Primary Fuel - Natural gas
AFU = 47.39MMcf/yr (obtained from site records)
EF = 32 lb of NO_x per MMcf burned through low NOx burner/flue gas recirculation
CF = 0.0005 tons/lb

$$\mathbf{0.7582}\left(\frac{ton}{year}\right) = 47.39\left(\frac{MMcf}{year}\right) * 32\left(\frac{lb}{MMcf}\right) * 0.0005$$

Given: Secondary Fuel – Fuel oil
AFU = 680 gal/yr (obtained from site records)
EF = 10 lb of NO_x per 1000 gal burned
CF = 0.0005 tons/lb

$$\mathbf{0.0034}\left(\frac{ton}{year}\right) = 680\left(\frac{gal}{year}\right) * 10\left(\frac{lb}{1000gal}\right) * 0.0005$$

$$AE\left(\frac{ton}{year}\right) = 0.7582\left(\frac{ton}{year}\right) + 0.0034\left(\frac{ton}{year}\right) = \mathbf{0.7616}$$

Engine Testing Operations

Actual NOx emissions from each engine testing operation are estimated using emission factors derived from actual tests of the T700-GE-700, T700-GE-701, T700-GE-701C, and T700-GE-701D engine.

The actual emissions are obtained by multiplying the emission factors of each testing load by the percent of time tested at that load. The following equation is used to calculate the annual emissions of all pollutants from the jet engine testing operations:

$$AE\left(\frac{tons}{year}\right) = \sum\left[PT(\%) * TT\left(\frac{hours}{year}\right) * EF\left(\frac{lbs}{hour}\right) * CF\right]$$

Where: AE = actual emissions
TT = engine testing time
CF = conversion factor (lbs to tons)
PT = % hours tested at a specific load
EF = emission factor at a specific load

Example 3: Actual NOx emissions for ET001, an engine test cell for T700-GE-700 engine in building 6972.

Given: PT = 9% at 50% load
EF = 0.0609 lbs/hr at 50% load
TT = 1.6 hrs/yr
CF = 0.0005 ton/lbs

$$\mathbf{0.000004}\left(\frac{tons}{year}\right) = \Sigma\left[9(\%) * 1.6\left(\frac{hours}{year}\right) * 0.0609\left(\frac{lbs}{hour}\right) * 0.0005\right]$$

Table 3-1. Total NOx emissions for ET001 T700-GE-700 engine

SPECIFIC LOAD	TEST HOURS (%)	EMISSION FACTOR (lbs/hr)	EMISSIONS (tons/yr)
100 %	75	0.8226	0.00049
62%	8	0.0545	0.000003
50 %	9	0.0609	0.000004
Idle	8	0.0866	0.000006
TOTAL		**N/A**	**0.0005**

Fugitive Dust Sources

Unpaved Roads

Actual PM-total emissions from the unpaved roads are estimated by multiplying the miles of unpaved roads traveled by emission factors obtained from AP-42, Section 13.2. These emission factors are dependent upon the silt content of the road surface material and upon the average weight of vehicles traveled upon it. The following equations are used to determine the emission factor for unpaved roads.

$$\text{Unpaved Miles} = \text{TVM} * \left(\frac{MUP}{MP + MUP}\right) * \left(1 - \%RM\right)$$

Where: TVM = total vehicle mileage
MP = miles of paved roads
MUP = miles of unpaved roads
%RM = percentage of miles driven during range maneuvers[a]

[a]Range Maneuvers percentage is based on average miles driven during tactical training operations on the ranges.

$$\text{EF}\left(\frac{lbPM}{mile}\right) = k * \left(\frac{S}{12}\right)^{a} * \left(\frac{W}{3}\right)^{b}$$

Where: EF = emission factor
S = surface material silt content (%)
k, a, b = empirical constants
W = mean vehicle weight (tons)

Then the following equation is used to calculate the actual annual fugitive dust emissions for the traveled unpaved roads:

$$\text{AE}\left(\frac{ton}{year}\right) = \text{AU}\ (miles) * \text{EF}\left(\frac{lbPM}{mile}\right) * \text{CF}$$

Where: AE = actual emissions
AU = miles of unpaved roads
EF = Emission factor
CF = conversion factor (lbs to tons)

Example 4: Actual annual PM_{Total} emissions for ABRAMS M1A2 vehicles from FD001. To obtain the total PM, PM_{10} and $PM_{2.5}$ emissions from the EU, these calculations must be performed on all vehicles to get their individual total PM, PM_{10} and $PM_{2.5}$ emissions. The summation of these values is the total PM, PM_{10} and $PM_{2.5}$ emissions from the EU.

Given: TVM = 1,118.6
MP = 770
MUP = 471
%RM = 96%

$$\textbf{16.98 miles} = 1118.6 * \left(\frac{471}{770 + 471}\right) * \left(1 - 0.96\right)$$

Then,

Given: k = 4.9
b = 0.45
W = 62.1 tons
a = 0.7
S = 25.77%

$$\mathbf{1.3024}\left(\frac{lbPM}{mile}\right) = 4.9 * \left(\frac{.2577}{12}\right)^{0.7} * \left(\frac{62.1}{3}\right)^{0.45}$$

Then,

Given: AU = 906.21 CF = 0.0005
EF = 1.3024

$$\mathbf{0.0111}\left(\frac{ton}{year}\right) = 16.98\,(miles) * 1.3024\left(\frac{lbPM}{mile}\right) * 0.0005$$

Fueling Station Operations

VOC emissions from several of the tanks are assumed to be negligible due to the low volatility of the liquids stored, the small capacity of the tanks, minimal throughputs, and double-walled convault construction. Air emissions from the storage tanks are the result of breathing and working losses. Actual emissions from storage tanks were estimated using the USEPA's TANKS (Version 4.09) program and emission factors from AP 42, Section 5.2 which are included in APIMS.

Stationary Internal Combustion Equipment

Actual air emissions from internal combustion equipment are estimated using emission factors from Sections 3.3 and 3.4 of AP-42. The actual hours of operation are based on a preventative maintenance schedule of approximately 0.5 hrs/week for the generators and pumps. Actual hours of operation are used where logs are found to be maintained. A mechanical efficiency of 80-percent and load factors are used when available. The following equation is used to calculate the actual annual emission rates for all pollutants from the internal combustion engines:

$$AE\left(\frac{ton}{year}\right) = EKW(kW) * LF * OH\left(\frac{hours}{year}\right) * EF\left(\frac{grams}{kW-hr}\right) * CF_1 * CF_2$$

Where:
AE = actual emissions
EKW = engine capacity (kW)
LF = load factor
CF_2 = conversion factor (lb to tons)
OH = hours of operation
EF = emission factor
CF_1 = conversion factor (grams to lbs)

Example 5: Actual NO_X emissions from IC001, diesel emergency generators less than 600 hp.

Given:
EKW = 9622 kW
LF = 1.0
CF_1 = 0.00220
OH = 6.43 hr/yr
EF = 18.848 grams/kW-hr
CF_2 = 0.0005

$$\mathbf{1.2827}\left(\frac{ton}{year}\right) = 9622\,(kW) * 1 * 6.43\left(\frac{hours}{year}\right) * 18.848\left(\frac{grams}{kW-hr}\right) * 0.0022 * 0.0005$$

Loading Racks

VOC and HAP emissions for loading rack operations are estimated by determining the total loading losses from fuel transfer operations and the multiplying by the appropriate emission factors. Emission factors are derived from AP-42 and SPECIATE (Version 3.2). The following equations are used to calculate the actual emission rates from loading rack operations:

$$L_L\left(\frac{lbs}{year}\right) = AFT\left(\frac{kgal}{year}\right) * \left[\left(\frac{12.46 * S * M * P}{(T+460)}\right) * \left(1 - \frac{EFF}{100}\right)\right]$$

$$AE\left(\frac{ton}{year}\right) = L_L\left(\frac{lbs}{year}\right) * \left[EF_1\left(\frac{LPwt\%}{100}\right) + EF_2\left(\frac{VPwt\%}{100}\right)\right] * CF$$

Where:

AE = actual emissions		AFT = actual fuel throughput	
L_L = loading losses		S = saturation factor	
M = molecular weight		P = true vapor pressure	
T = temperature (°F)		EFF = overall reduction efficiency	
EF_1 = emission factor		EF_2 = emission factor	
LP = liquid phase		VP = vapor phase	
CF = conversion factor (lb to tons)			

Example 6: VOC emissions from site wide gasoline loading racks LR001.

Given:

Fuel = Gasoline		AFT = 343,387	
S = 1.0 (AP-42 Table 5.2-1)		M = 62 (AP-42 Table 7.1-2)	
P = 8.4353 (AP-42 Table 7.1-2)		T = 70	
EFF = 85%		EF_1 = 100%	
EF_2 = 100%		CF = 0.0005	

$$\mathbf{633.30}\left(\frac{lbs}{year}\right) = 343.387\left(\frac{kgal}{year}\right) * \left[\left(\frac{12.46 * 1 * 62 * 8.4353}{(70+460)}\right) * \left(1 - \frac{85}{100}\right)\right]$$

$$\mathbf{0.6333}\left(\frac{ton}{year}\right) = 633.30\left(\frac{lbs}{year}\right) * \left[\left(\frac{100}{100}\right) + \left(\frac{100}{100}\right)\right] * 0.0005$$

Miscellaneous Sources

Landfill Operations

Actual Non-Methane Organic Compounds (NMOC) emissions from the landfill operations are estimated in accordance with Section 115.156(3) of TCEQ. The Landfill Air Emissions Estimation model from AP 42 Ch. 2 is utilized. The following equation is used to calculate the actual annual non-methane organic compound emissions:

$$M_{NMOC}\left(\frac{ton}{year}\right) = 2\,L_o\left(\frac{m^3}{Mg}\right) * R\left(\frac{Mg}{year}\right) * (e^{-kc} - e^{-kt}) * C_{NMOC} * CF_1 * CF_2$$

Where: M_{NMOC} = actual emissions
L_o = methane generation potential
c = time since landfill closure
C_{NMOC} = conc. of NMOC as ppmv hexane
CF_2 = conversion factor (Mg to tons)
R = annual average waste acceptance
k = methane generation rate constant
t = time since initial waste placement
CF_1 = conversion factor (m3-ppmv to Mg)

Example 7: Actual annual VOC emissions from MO002, Open MSW Landfill.

Given: R = 17585.40
k = 0.02 per yr (regulatory default value)
t = 25 yrs
CF_1 = 3.6 x 10^{-9}
L_o = 170 (regulatory default value)
c = 0 yrs (for active landfills)
C_{NMOC} = 109 (site-specific data)
CF_2 = 1.10231131 (Mg to tons)

$$\mathbf{1.0174}\left(\frac{ton}{year}\right) = 2 * 170\left(\frac{m^3}{Mg}\right) * 17585.40\left(\frac{Mg}{year}\right) * (e^{-(0.02*0)} - e^{-(0.02*25)}) * 109 * 3.6 \times 10^{-9} * 1.10231131$$

Firing Range Operations

Air emissions from the firing range are the result of open burning, tamped detonation, range training and range clearance. Beginning in CY2010, emission factors from AP-42 chapter 15 were used. In instances where no factor was listed a surrogate factor is used.

$$AE_{PM10}\left(\frac{ton}{year}\right) = \text{Rounds Fired} * EF\left(\frac{lb}{Round}\right) * CF$$

Where: AE = actual emissions
Rounds Fired = # of rounds
EF = emission factor
CF = conversion factor (lb to tons)

Example 1: Actual annual PM10-total emissions from the Firing Range Operations (MO003) for A059 type round.

Given: Rounds fired = 2,097,260

EF = 0.000039
CF = 0.0005

$$\mathbf{0.0409}\left(\frac{ton}{year}\right) = 2{,}097{,}260 \text{ rounds Fired} * 0.000039\left(\frac{lb}{Round}\right) * 0.0005$$

Bioremediation of Contaminated Soils

Actual VOC and HAP emissions from bioremediation operations are estimated conservatively assuming that 50% of the Total Petroleum Hydrocarbon (TPH) level in the contaminated soil is volatile once biodegradation occurs and that 10% of the TPH contamination level is benzene, toluene, ethylbenzene, and total xylenes (BTEX). The method used to calculate emissions comes from Fort Hood's PBR #41479 for the bioremediation site. The following equations are used to calculate actual annual emission rates from the bioremediation site:

$$\text{VOC}\left(\frac{ton}{year}\right) = \text{V}\left(yd^3\right) * \square\left(\frac{tons}{yd^3}\right) * \left(\frac{TPH(\%wt)}{100}\right) * \left(\frac{VTPH(\%wt)}{100}\right) * \left(\frac{BTEX(\%wt)}{100}\right) * \left(\frac{TBTEX(\%wt)}{100}\right) * \left(\frac{VBTEX(\%wt)}{24\,hours}\right) * \text{OH}$$

Where: VOC = volatile organic compound emissions
V = soil volume
□ = soil density
TPH = maximum TPH concentration
VTPH = volatile TPH percentage
BTEX = BTEX concentration
TBTEX = BTEX remaining after treatment
VBTEX = % volatile BTEX per 24 hr period
OH = operating hours

$$\text{AE}\left(\frac{ton}{year}\right) = \text{VOC}\left(\frac{tons}{year}\right) * \text{EF}\left(\frac{\%wt}{100}\right)$$

Where: AE = actual emissions
EF = emission factor

Example 8: Actual annual HAP emissions from MO004.

Given: V = 259.14
□ = 1.037
TPH = 2.5%
VTPH = 50%
BTEX = 10%
TBTEX = 35%
VBTEX = 1%
OH = 8760

$$\mathbf{0.0429}\left(\frac{ton}{year}\right) = 259.14\left(yd^3\right)*1.037\left(\frac{tons}{yd^3}\right)*\left(\frac{2.5}{100}\right)*\left(\frac{50}{100}\right)*\left(\frac{10}{100}\right)*\left(\frac{35}{100}\right)*\left(\frac{\frac{1}{100}}{24\,hours}\right)$$

$$*8760\left(\frac{hours}{yr}\right)$$

Given: VOC = 0.0429 EF = 0.3223%

$$\mathbf{0.0001}\left(\frac{ton}{year}\right) = 0.0429\left(\frac{tons}{year}\right)*\left(\frac{0.3223}{100}\right)$$

Tanker Purge Operations

Actual annual air emissions from the tanker purge operations are estimated by multiplying the amount of JP-8 fuel cleaned from the tanks by the appropriate emission factor set for the operation. Emission factors are attained from Fort Hood's PBR registration for this operation. The following equation is used:

$$AE(tpy) = AFC\left(\frac{gal}{yr}\right)*\left(1-\frac{\%RR}{100}\right)*\rho_{voc}\left(\frac{lbs}{gal}\right)*\left(1-\frac{\%VCeff}{100}\right)*EF\left(\frac{\%wt}{100}\right)*CF$$

Where: AE = actual emissions
AFC = actual fuel cleaned
%RR = % fuel removed by rinsing
ρ_{voc} = voc density of JP-8 fuel
VCeff = voc control efficiency
EF = emission factor in percent by weight
CF = conversion factor (lbs-tons)

Example 10: Actual annual VOC emissions from MO006.

Given: AFC = 1737 %RR = 75
ρ_{voc} = 8.0 VCeff = 95
EF = 100 CF = 0.0005

$$\mathbf{0.0869}\left(\frac{tons}{year}\right) = 1737*\left(1-\frac{75}{100}\right)*8.0*\left(1-\frac{95}{100}\right)*\left(\frac{100}{100}\right)*0.0005$$

Aerosol Can Crushing Operations

Actual annual air emissions from the aerosol can crushing operations are estimated using mass balance procedures in conjunction with using the Super Paint, Super Solvent, and Super Lubricant composition profile delineated by its PI-7 registration. Usage amounts are determined

by obtaining the tracking logs and assuming that approximately 1 ounce of material was left in the cans when they are sent to the crusher. The control efficiency of any filters in place at a specific EU is taken into account when calculating VOC emissions. The following equation is used to calculate the actual annual emission rates for VOC pollutants:

(Note that the following equation can also be used to calculate VOC HAP.)

$$AE\left(\frac{ton}{year}\right) = CC * RP\left(\frac{ounces}{year}\right) * CF_1 * \rho\left(\frac{lbs}{gal}\right) * VC\left(\frac{VOCwt.\%}{100}\right) * \left(1 - \frac{VOCEFF}{100}\right) * CF_2$$

Where:	AE	=	actual emissions	CC =	Actual cans collected
	RP	=	remaining material in can	CF_1 =	conversion factor (ounces to gals)
	ρ	=	density of material	VC =	VOC content (% by weight)
	CF_2	=	conversion factor (lb to tons)	VOCEFF =	VOC control efficiency

Example 11: VOC emissions from paint aerosol cans crushed at MO007 (Super Paint). To obtain the total VOC emissions from the EU, these calculations must be performed on all can types crushed to get their individual VOC emissions. The summation of these values is the total VOC emissions from the EU.

Given:	Type	=	Paint		
	CC	=	1980 cans crushed	RP =	1
	ρ	=	8.34	CF_1 =	0.0078
	VC	=	220%	VOCEFF =	99%
	CF_2	=	0.0005		

$$\mathbf{0.0014}\left(\frac{ton}{year}\right) = 1980*1\left(\frac{ounces}{year}\right) * 0.0078 * 8.34\left(\frac{lbs}{gal}\right) * \left(\frac{220}{100}\right) * \left(1 - \frac{99}{100}\right) * 0.0005$$

Surface Coating Operations

VOC, volatile HAP, PM-total, and PM-HAP emissions from the surface coating operations are estimated using mass balance procedures in conjunction with each coating's composition profile. Usage amounts were obtained from the Air Program Information Management System (APIMS) utilized at Fort Hood. Potential emissions are calculated based on doubling the actual amount of material used. The control efficiency of any filters in place at a specific EU is taken into account when calculating TSP emissions. The following equations are used to calculate the actual annual emission rates for VOC and TSP pollutants:

(Note that the following equations are also used to calculate VOC HAP and PM-HAP, respectively.)

$$AE_{VOC}\left(\frac{ton}{year}\right) = \sum \left[AMU\left(\frac{gal}{year}\right) * \rho\left(\frac{lbs}{gal}\right) * VC\left(\frac{VOC\ /\ HAP\ wt.\%}{100}\right) \right] * CF$$

$$AE_{PMtotal}\left(\frac{ton}{year}\right) = \sum \left[AMU\left(\frac{gal}{year}\right) * \rho\left(\frac{lbs}{gal}\right) * PC\left(\frac{TSP\ wt.\%}{100}\right) * \left(1 - \frac{PMEFF}{100}\right) \right] * CF$$

Where:
AE = actual emissions
ρ = density of material
CF = conversion factor (lb to tons)
PMEFF = PM ctrl efficiency
AMU = Actual material usage
VC = VOC content (% by weight)
PC = PM content (% by weight)

Example 12: VOC and PM-total emissions from coatings used at SC004 (CARC Tan). To obtain the total VOC and PM-total emissions from the EU, these calculations must be performed on all coatings to get their individual VOC and PM-total emissions. The summation of these values is the total VOC and PM-total emissions from the EU.

Given: Coating = CARC Tan
ρ = 11.86
PMEFF = 99.1%
PC = 53.34%
AMU = 57.5 gal
VC = 12.66%
CF = 0.0005

$$\mathbf{0.0432}_{VOC}\left(\frac{ton}{year}\right) = 57.5\left(\frac{gal}{year}\right) * 11.86\left(\frac{lbs}{gal}\right) * \left(\frac{12.66}{100}\right) * 0.0005$$

$$\mathbf{0.00002}_{PMtotal}\left(\frac{ton}{year}\right) = 57.5\left(\frac{gal}{year}\right) * 11.86\left(\frac{lbs}{gal}\right) * \left(\frac{53.34}{100}\right) * \left(1 - \frac{99.1}{100}\right) * 0.0005$$

Storage Tanks and Related Fueling Operations

VOC emissions from several of the tanks are assumed to be negligible due to the low volatility of the liquids stored, the small capacity of the tanks, minimal throughputs, and double-walled convault construction. The maximum/potential throughput of each tank is calculated by doubling the actual annual throughput. Air emissions from the storage tanks are the result of breathing and working losses. Actual emissions from storage tanks are estimated using the USEPA's TANKS (Version 4.09d) program and emission factors from AP 42, Section 5.2 which are in APIMS.

Solvent Use Operations

Solvent use operations are comprised of cold solvent cleaners, a site-wide miscellaneous solvent use operation and a waste solvent reclamation unit. For the cold solvent cleaners and the reclamation unit usage data is collected from maintenance logs kept by the maintenance contractor (Clarus). Usage data for the site-wide miscellaneous solvent use unit is obtained from the Pollution Prevention Services Team usage report. Actual annual emissions are estimated by using mass balance procedures and by calculating an evaporative loss factor based on the mass balance equation. The following equation is used to calculate the actual annual emission rates for VOC and HAP pollutants:

$$AE_{VOC}\left(\frac{ton}{year}\right) = \sum \left[AMU\left(\frac{gal}{year}\right) * \rho\left(\frac{lbs}{gal}\right) * VC\left(\frac{VOC\ /\ HAP\ wt.\%}{100}\right) * EV\left(\frac{Loss\ \%}{100}\right) \right] * CF$$

Where: AE = actual emissions
ρ = density of material
CF = conversion factor (lb to tons)
AMU = sum of all actual material usage
VC = VOC/HAP content (% by weight)
EV = evaporation factor (%)

Example 13: VOC emissions for Cold Solvent Cleaners (SU001) using Safety Kleen MIL PRF-680, Type II Solvent.

Given: Solvent = PF Degreaser Solvent
EV = 10%
CF = 0.0005
AMU = 675 gal
ρ = 6.43
VC = 100

$$\mathbf{0.2170}\left(\frac{ton}{year}\right) = 675\left(\frac{gal}{year}\right) * 6.43\left(\frac{lbs}{gal}\right) * \left(\frac{100}{100}\right) * \left(\frac{10}{100}\right) * 0.0005$$

Welding Operations

Actual TSP emissions from the welding operations are estimated by multiplying the weight of welding rods used by emission factors obtained from AP-42, Section 12.19. These emission factors are dependent upon the type of welding process conducted and upon the type of welding rod used. Due to the large variety of welding rods used at Fort Hood, a conservative emission factor was developed for calculation purposes by taking the highest values found in Tables 12.19-1 and 12.19-2 of AP-42 to calculate the emission rates of the different pollutants emitted. The following equation is used to calculate the actual annual emission rates for all pollutants from the welding operations:

$$AE\left(\frac{ton}{year}\right) = AU\left(\frac{lbs}{yr}\right) * EF\left(\frac{lb\ PM}{1000\ lb\ rods}\right) * CF$$

Where: AE = actual emissions
AU = total weight of rods used
EF = Emission factor
CF = conversion factor (lbs to tons)

Example 14: Actual annual PM-total emissions from WL001.

Given: AU = 3580
EF = 37.64
CF = 0.0005

$$\mathbf{0.0674}\left(\frac{ton}{year}\right) = 3580\left(\frac{lbs}{yr}\right) * 37.64\left(\frac{lb\ PM}{1000\ lb\ rods}\right) * 0.0005$$

Woodworking Operations

Actual TSP emissions from the woodworking operations are back calculated based on an estimation of the amount of waste generated and the control efficiency of the filtration system. The equation below is used to calculate the annual actual TSP emissions:

$$AE_{TSP}\left(\frac{ton}{year}\right) = AWG\left(\frac{lb}{year}\right) * \left(\frac{1-(PMEFF/100)}{PMEFF/100}\right) * CF$$

Where: AE = actual emissions
CF = conversion factor (lb to tons)
AWG = amount waste generated
PMEFF = particulate control efficiency

Example 15: Actual annual PM-total emissions from WW001.

Given: AWG = 220
CF = 0.0005
PM EFF = 80.0% (low efficiency cyclone)

$$\mathbf{0.0275}\left(\frac{ton}{year}\right) = 220\left(\frac{lb}{year}\right) * \left(\frac{1-(80/100)}{80/100}\right) * 0.0005$$

APPENDIX C

Process Flow Diagrams

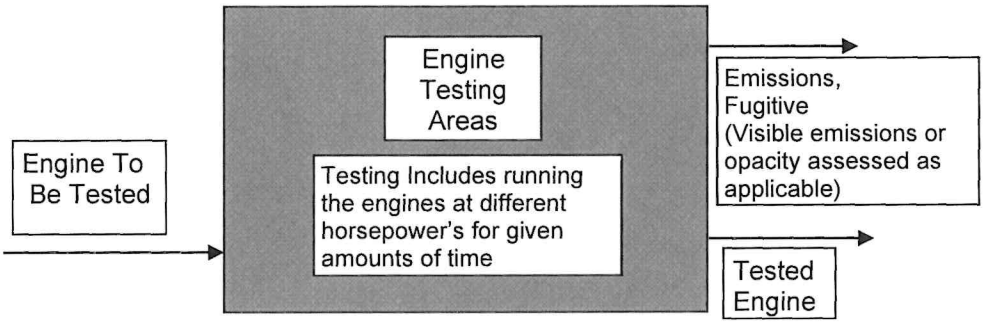

Figure 2-2. Simplified Process Flow Diagram for Typical Engine Testing Operations

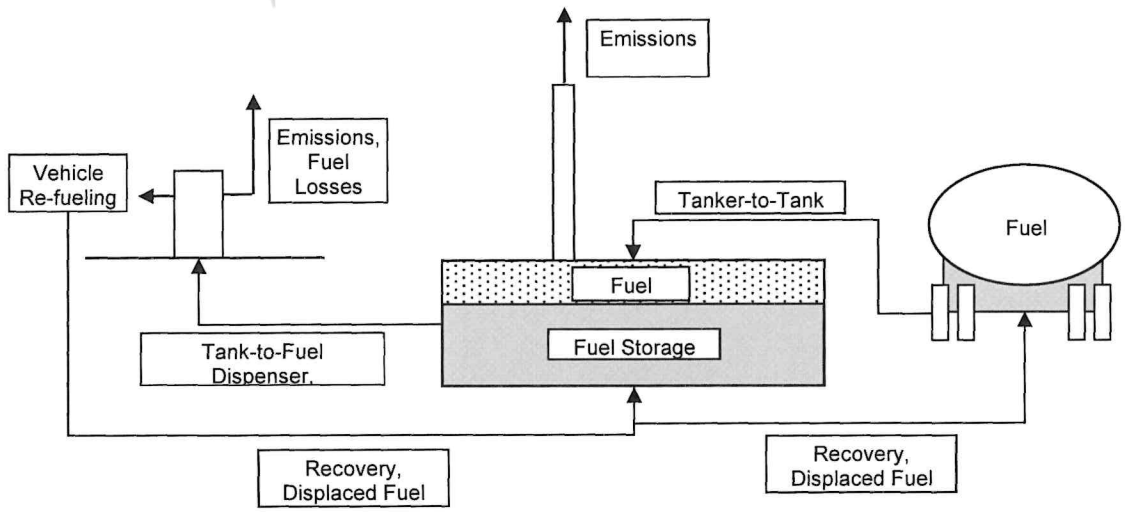

Figure 2-3. Simplified Process Flow Diagram for Typical Gasoline Dispensing

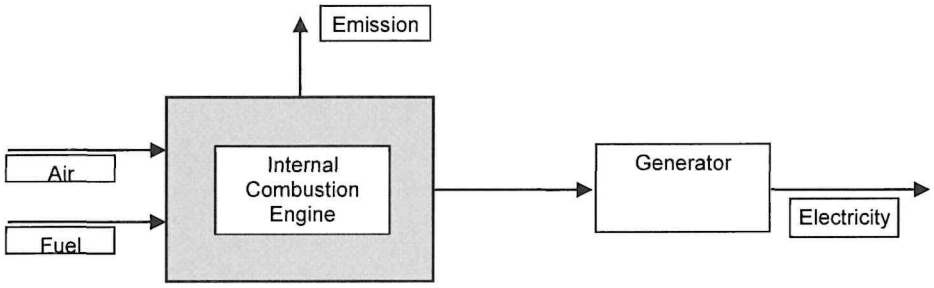

Figure 2-4. Simplified Process Flow Diagram for Typical Internal Combustion Equipment

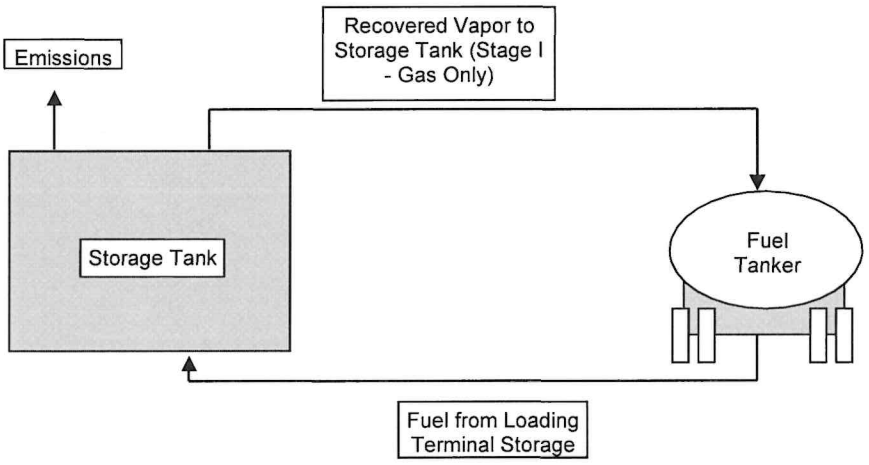

Figure 2-5. Simplified Process Flow Diagram for Typical Fuel Loading Operation

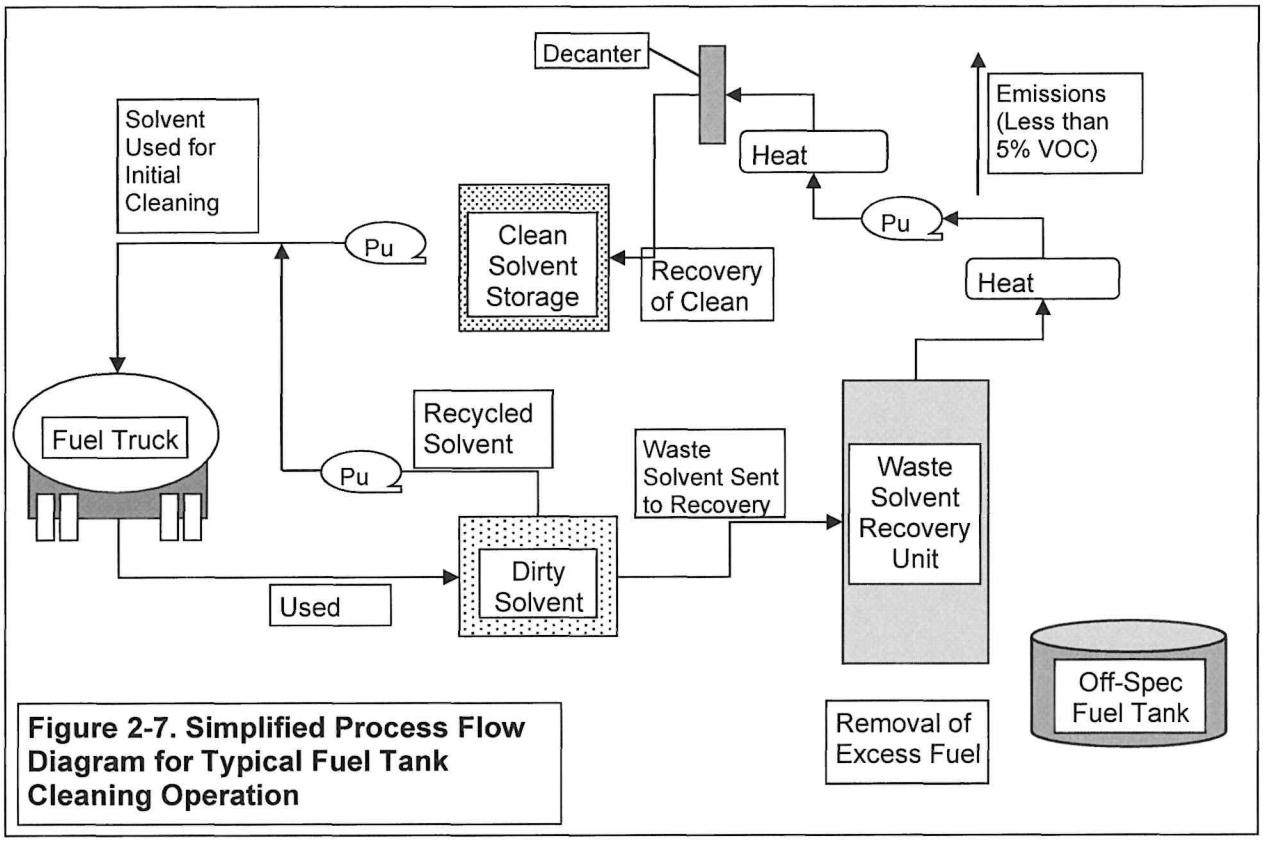

Figure 2-7. Simplified Process Flow Diagram for Typical Fuel Tank Cleaning Operation

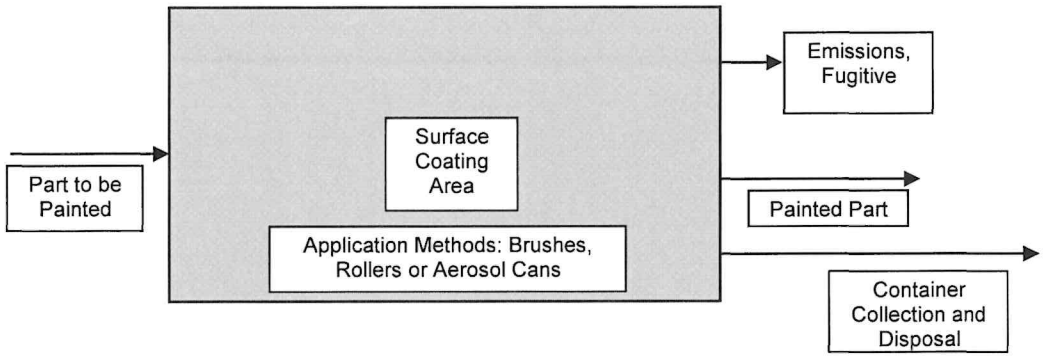

Figure 2-8. Simplified Process Flow Diagram for Typical Open Surface Coating Operations

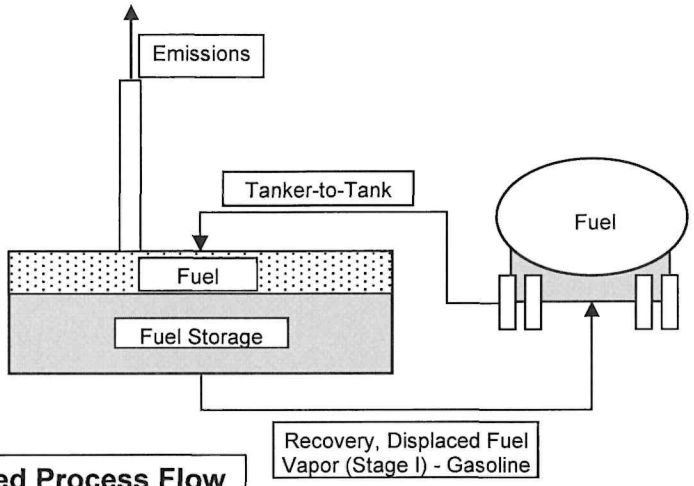

Figure 2-9. Simplified Process Flow Diagram for Typical Bulk Fuel Storage Tanks

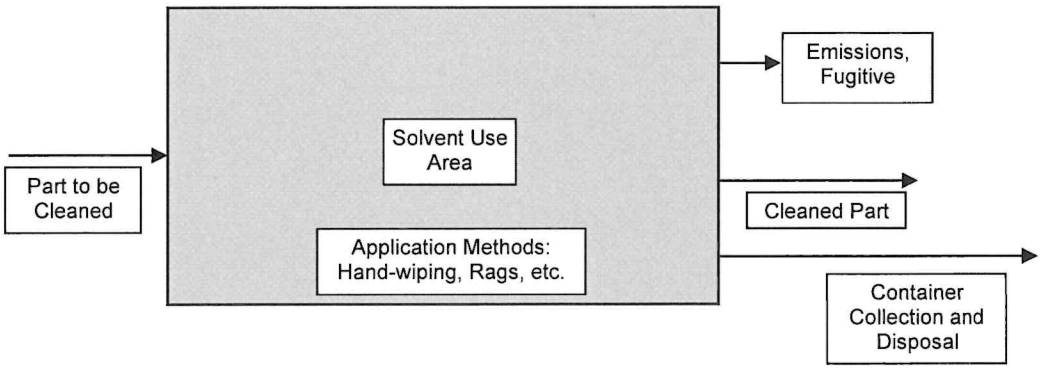

Figure 2-11. Simplified Process Flow Diagram for Typical Open Solvent Use Operations

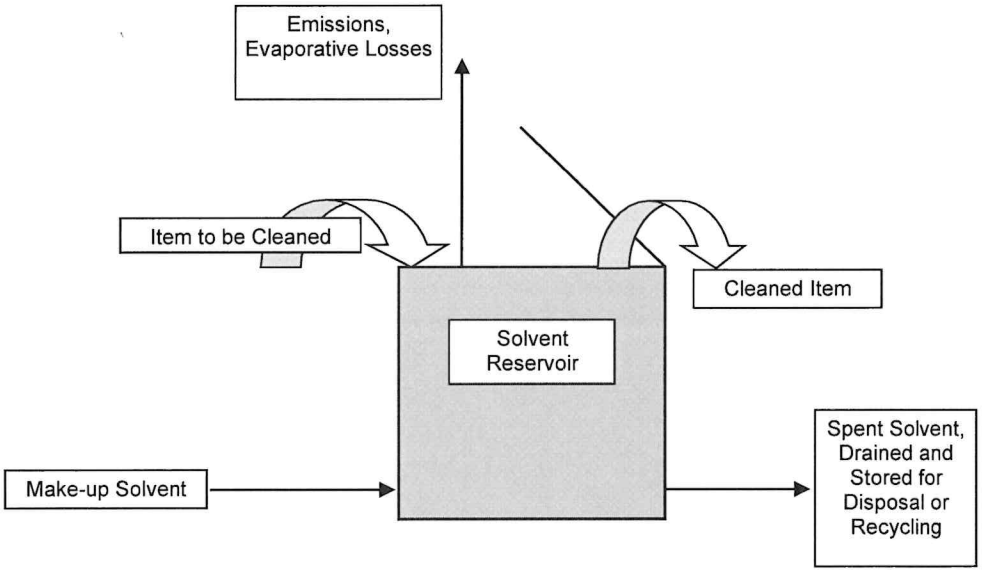

Figure 2-10. Simplified Process Flow Diagram for Typical Cold Solvent Cleaning Operations

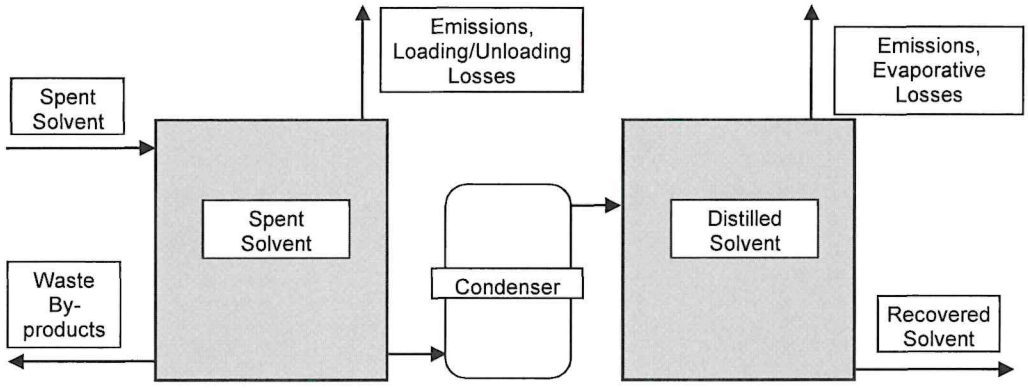

Figure 2-12. Simplified Process Flow Diagram for Typical Solvent Distillation

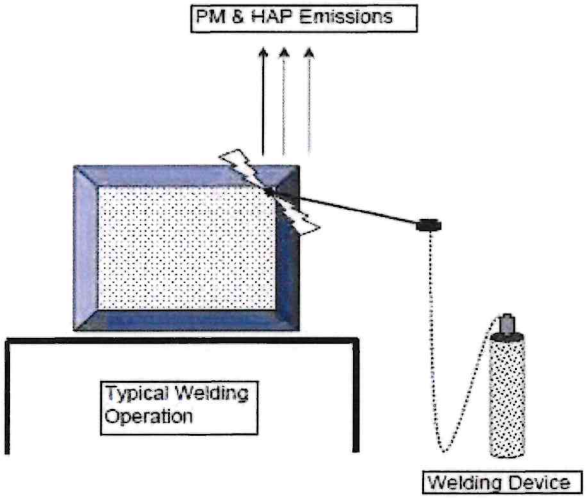

Figure 2-13. Simplified Process Flow Diagram for Typical Welding Operations

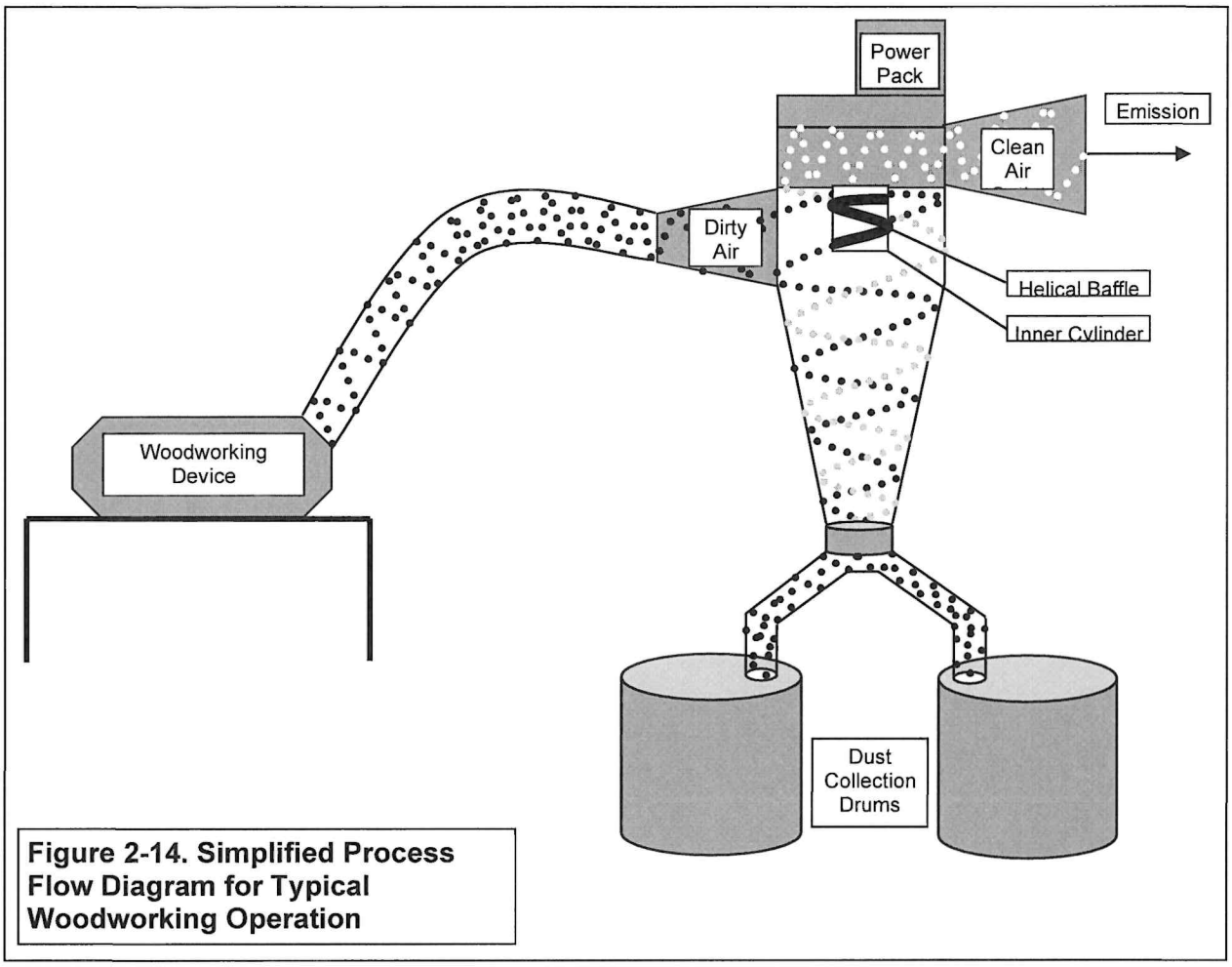

Figure 2-14. Simplified Process Flow Diagram for Typical Woodworking Operation

APPENDIX D
HDR Memo

September 14, 2020

Ms. Tiffany Reid
Whitetail Environmental, LLC
P.O. Box 68
Jay, OK 74346

RE: **Fort Hood – Process for Removal of 40 CFR 63, Subpart JJ Wood Furniture Manufacturing Applicable Requirements from Title V Operating Permit under USEPA's Change to NESHAP Once-In-Always-In (OIAI) Policy – Letter Report (*Final*)**
HDR Project No. 10249104

Dear Ms. Reid,

HDR was subcontracted by Whitetail Environmental, LLC under their USACE, Tulsa District (Owner) Environmental Support Contract No. W912BV18D0007, Task Order Number W912BV19F0123 to conduct a major source National Emissions Standard for Hazardous Air Pollutants (NESHAP) rule review for U.S. Army Garrison, Department of Public Works (DPW), Fort Hood, Texas. This review focused on the 40 CFR 63, Subpart JJ – Wood Furniture Manufacturing NESHAP and includes a description of the process and requirements for removing applicability of this rule from Fort Hood's Title V operating permit. The basis for this project is a reversal in USEPA's OIAI policy that previously stated once a source is subject to a major source NESHAP/MACT rule, it is always subject, even if it reduces it's potential to emit and becomes an area source for hazardous air pollutants (HAP). A HAP area source is one whose facility-wide potential emissions of HAPs is less than 25 tons per year (tpy) for all HAPs combined and less than 10 tpy for each individual HAP.

This project was initiated by a kick-off telecom meeting on August 21, 2020 between Whitetail Environmental, Fort Hood (IMHD-PWE), and HDR. The purpose was to go over the scope, schedule, data needs, and permitting contacts with the Texas Commission on Environmental Quality (TCEQ). Subsequent to this call, HDR submitted a data request to Fort Hood on August 25, 2020. HDR requested information on each wood furniture manufacturing operation subject to 40 CFR 63 - Subpart JJ, product usage records for these operations over a year period, the most recent records demonstrating the facility-wide HAP emissions are below major source thresholds, and the most recent permit(s) showing HAP emissions limits. Fort Hood provided much of the requested data on August 31 and September 1, 2020. The records demonstrating facility-wide HAP emissions are below major source thresholds on a 12-month rolling basis were not available at the time of this report. It is anticipated Fort Hood will be able to generate and maintain those records in the near future.

HDR reviewed the following U.S. Environmental Protection Agency (USEPA), TCEQ, and Fort Hood documents to support development of this deliverable:

- USEPA Memorandum, Reclassification of Major Sources as Area Sources Under Section 112 of the Clean air Act, William L. Wehrum, Assistant Administrator to Regional Air Division Directors, January 25, 2018

- TCEQ, Guidance for Rescission of the Environmental Protection Agency's "Once-In, Always In (OIAI) Policy for Maximum Achievable control Technology (MACT) Standards, TCEQ-APDG 6472v1, November 2018
- Federal Operating Permit, U.S. Department of the Army, Fort Hood, Permit No. O1659, Issued August 8, 2017
- New Source Review (NSR) Permit No. 24538 (Amended), Authorizing Construction and Operation of Surface Coating Facilities at Fort Hood, Texas, Amendment Issued February 28, 2019
- 40 CFR 63, Subpart JJ – Wood Furniture Manufacturing NESHAP
- Federal Register Volume 84, No. 144, p. 36304, July 26, 2019, USEPA, Proposed Rule, Reclassification of Major Sources as Area Sources Under Section 112 of the Clean Air Act
- USEPA Memorandum, Documentation of the emission impacts analysis for the proposed rulemaking "Reclassification of Major Sources as Area Sources Under Section 112 of the Clean Air Act", Elineth Torres to MM2A Docket No. EPA-HQ-OAR-2019-022, May 2019

The TCEQ OIAI rescission guidance listed above states that current MACT major sources seeking to transition to non-major status for purposes of MACT applicability must continue to comply with all applicable requirements of the relevant major source MACT, and applicable permits, until conditions 1 through 4 below have been satisfied:

1) Any necessary new source review (NSR) permit revisions, authorizations, or certifications have been obtained, as needed to establish a federally enforceable PTE below the MACT major source thresholds and remove any permit conditions which require compliance with the relevant major source MACT standard;

2) Any necessary Federal Operating Permit (FOP) revisions have been obtained, as needed to remove any permit terms or citations which require compliance with the relevant major source MACT standard;

3) Any necessary physical or operational changes to reduce PTE have been completed as represented in the relevant permit actions above; and

4) The owner or operator is maintaining records at the site which demonstrate that the updated, federally-enforceable PTE is below the MACT major source thresholds. These records should be available upon request.

HDR has reviewed NSR Permit No. 24538 and has spoken with TCEQ regarding whether the site-wide HAP limits in this permit are considered "federally enforceable"; reference the conditions on the last page of this permit indicating all emissions sources are limited to 25 tons per year total HAP and 10 tons per year each individual HAP (see NSR permit excerpt page as Attachment 1 to this letter). Ms. Jasmine Yuan (Air Permit Engineer, Operating Permits Section, TCEQ) indicated verbally and in a subsequent email on September 2, 2020 that the

HAP limits along with the compliance demonstration stated in the permit, i.e. footnote (6) on the last page, are federally enforceable conditions and the NSR permit is incorporated into the Title V permit by reference on page 114 (see excerpted page of Title V permit as Attachment 2 to this letter).[1] This means that condition 1 in the TCEQ reclassification guidance has been satisfied.

HDR researched the necessary steps to remove major source MACT applicability requirements from the current Fort Hood Title V operating permit. In addition, HDR spoke with Ms. Yuan of TCEQ regarding Title V revisions. Ms. Yuan stated verbally and in the September 2, 2020 email that a Title V Minor Revision application would suffice to remove the major source MACT requirements. Ms. Yuan indicated the application should include a cover page, purpose, applicable process flow diagrams, and the following completed application forms: OP-1, OP-2, OP-CR01, OP-REQ-1 (applicable pages only), and applicable UA forms for emission units with MACT impacts (revising attributes to correspond to area source).[2] This Title V permit revision, once obtained, would satisfy condition 2 of the TCEQ reclassification guidance.[3] Condition 3 of the guidance is already met through NSR Permit no. 24538. HDR was not able to confirm that condition 4 of the reclassification guidance is being met. This demonstration would be achieved through the use of the APIMS database program and reports generated from this database. Due to some issues with APIMS, these reports were not available at the time of this letter report. Fort Hood should ensure emission source operating data is entered into APIMS at least monthly and that APIMS reports are generated on a monthly basis demonstrating that facility-wide 12-month rolling total HAP emissions are below major source thresholds.

The Wood Furniture Manufacturing NESHAP applicable requirement that would no longer apply after implementation of the actions above is contained within the Special Terms and Conditions section of Fort Hood's Title V permit. More specifically, the Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting, item 9, which references 40 CFR 63.800(a) and indirectly references definitions in 63.801. This requirement includes maintaining usage records of finishing materials (e.g. coatings, stains) and adhesives during incidental wood furniture making (e.g. producing cabinets, boxes, crates) to demonstrate a maximum monthly use of less than 100 gallons.

Pursuant to 40 CFR 63.9(j), Fort Hood will need to provide notification to USEPA of reclassification from major source to area source for HAPs for removal of applicability of 40 CFR 63, Subpart JJ – Wood Furniture Manufacturing NESHAP. This would be achieved through the Title V permit revision process as the USEPA would review the Title V permit revisions. Pursuant to 40 CFR 63.10, Fort Hood will be required to maintain records of documents developed for establishing reclassification to an area source for HAPs.

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[1] HDR has observed that the issuance date of the NSR permit should be updated in the Title V permit to make it match the current version, i.e. change from 8/15/2015 to 2/28/2019.

[2] A copy of the September 2, 2020 email from Ms. Yuan is provided as Attachment 3 to this letter.

[3] Ms. Yuan indicated the process for this revision could take from 6 months to a year from application submission to obtain a final revised permit; includes a public review/comment period. Multiple major source MACT standards could be removed from the Title V permit using this same revision process.

HDR appreciates the opportunity to provide these air quality services to Whitetail and Fort Hood. Please don't hesitate to contact the undersigned at 571-327-5853 if you have any questions on this final letter report.

Sincerely,
HDR Environmental, Operations, and Construction

Steven Peluso
Senior Environmental Compliance Professional

Cc: Robert Kennedy, Ft. Hood (IMHD-PWE)
Michael Clark, Ft. Hood
Peter Hargis, HDR

ATTACHMENT 1

NSR Permit No. 24538 Excerpt

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (7)	
			lbs/hour	TPY (6)
AERO-DPW15	DPW West Cantonment Aerosol Can Spray	VOC (4)	0.11	0.14
		Exempt Solvent (4)	<0.01	<0.01
		PM (4)	<0.01	<0.01
		PM_{10} (4)	<0.01	<0.01
		$PM_{2.5}$ (4)	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Single HAP	—	<10.00
		All HAP	—	<25.00

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
ES - Exempt Solvent , those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(4) Fugitive emissions
(5) Emissions from natural gas combustion
(6) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(7) Rates include planned maintenance, startup, and shutdown emissions.

Date: February 28, 2019

ATTACHMENT 2

Title V Permit Excerpt

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 24538	Issuance Date: 08/14/2015
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.142	Version No./Date: 03/14/1997
Number: 106.142	Version No./Date: 03/23/2006
Number: 106.183	Version No./Date: 06/15/1997
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.231	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 03/14/1997
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/09/1998
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.313	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 11/26/1997
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 03/14/1997
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 09/04/2000

ATTACHMENT 3

Email from Ms. Jasmine Yuan, TCEQ

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Wednesday, September 2, 2020 3:03 PM
To: Peluso, Steven
Cc: Elizabeth Moorhead; robert.l.kennedy112.civ@mail.mil
Subject: RE: General Questions regarding Title V Air Operating Permit # O-01659 Amendments

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

The NSR MRT table is federal enforceable.
As long as the sitewide (all permits) HAP maximum emission rates < 10/25 tpy, you are minor. You can revise the Title V permit to remove MACT requirements.
The Minor Revision application forms are provided in the link below:

https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.tceq.texas.gov%2Fpermitting%2Fair%2Ftitlev%2Fsite%2Fsite_experts.html&data=02%7C01%7CSteven.Peluso%40hdrinc.com%7C5447249a875a479071bc08d84f72c6f2%7C3667e201cbdc48b39b425d2d3f16e2a9%7C0%7C0%7C637346701673033320&sdata=RP1XrwrVnTRpSOf2MQXST2mRH13SpY1NLdVTKzQZyP4%3D&reserved=0

The minor application should include, cover page, purpose, process flow, OP-1, OP-2, OP-CRO1, OP-REQ1 (no need for the entire table, can be several pages).
You also will need to update / revise UA forms for units subject to MACT.
Some UA form/units are for HAP major, you can just cross through those SOP Index.
Some units on UA form distinguish the HAP area source and major source by attributes. So you need to revise the attributes, not simply strike through the entire SOP Index.

For example, Engines MACT ZZZZ may be still applicable for HAP area source (less stringent than major HAP source). We will update the MACT requirements based on your updated UA from for the engines.

You can look into your permit, Applicable requirement table, and focus on the units with MACT requirements.

Sincerely,

Jasmine Yuan
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality MC-163, P.O. Box 13087 Austin, TX 78711-3087
Jasmine.yuan@tceq.texas.gov

Phone: (512) 239-6090
Fax: (512) 239-1400

TITLE V OPERATION PERMIT NO. 01659 SIGNIFICANT PERMIT RENWAL

Fort Hood, Texas

January 2022

Olsson Project No. 021-08677