

Form OP-CRO2
Change of Responsible Official Information
Federal Operating Permit Program

The Texas Commission on Environmental Quality (TCEQ) shall be notified of a new appointment or administrative information change (e.g., address, phone number, title) for a Responsible Official (RO), Designated Representative (DR), or Alternate Designated Representative (ADR) in the next submittal. This form satisfies the requirements for notification (a revised Certificate of Representation must also be submitted to the U.S. Environmental Protection agency for changes in the DR and ADR). After the initial submittal, if there is a change of Duly Authorized Representative (DAR) appointment or administrative information changes for the DAR, include a revised Form OP-DEL (Delegation of Responsible Official) with the next submittal to TCEQ.

I. Identifying Information
Account No.: HG-6831-P
Regulated Entity Number: RN RN101613230
Customer Reference Number: CN CN604980136
Permit Number: O-1460
Area Name: Afton - Lube and Fuel Additives Plant
Company: Afton Chemical Corporation
II. Change Type
Action Type: ☒ New Appointment ☐ Administrative Information Change
Contact Type (only one response accepted per form): ☒ Responsible Official ☐ Designated Representative (<i>Acid Rain Program and/or CSAPR sources only</i>) ☐ Alternate Designated Representative (<i>Acid Rain Program and/or CSAPR sources only</i>)

Form OP-CRO2
Change of Responsible Official Information
Federal Operating Permit Program

III. Responsible Official/Designated Representative/Alternate Designated Representative Information
Conventional Title: ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.
Name (Driver's License/STEERS): Hans Christian Vaughan Porter
Title: VP Manufacturing
Appointment Effective Date: 06/23/26
Telephone Number: 804-788-5837
Fax Number.:
Company Name: Afton Chemical Corporation
Mailing Address: 500 Spring St
City: Richmond
State: VA
ZIP Code: 23219
Email Address: Christian.Porter@AftonChemical.com

Form OP-CRO2
Change of Responsible Official Information
Federal Operating Permit Program

IV. Certification of Truth, Accuracy, and Completeness

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

I, Christian Porter, certify that based on information and belief formed Reasonable inquiry, the statement and information stated above are true, accurate, and complete.

Signature: Hans C Porter

 Digitally signed by Hans C Porter
Date: 2026.06.23 14:00:22 -04'00'

Signature Date: 06/23/2026

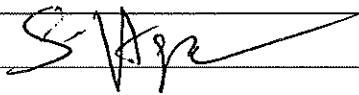
Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program
Texas Commission on Environmental Quality

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: RN101613230
CN: CN604980136
Account No.: HG-6831-P
Permit No.: O-1460
Project No.: NA
Area Name: Afton - Lube and Fuel Additives Plant
Company Name: Afton Chemical Corporation
II. Certification Type <i>(Please mark appropriate box)</i>
☐ Responsible Official ☒ Duly Authorized Representative
III. Submittal Type <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>
☐ 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, <u>Hari Sundaram</u> certify that I am the <u>DAR</u> <i>(Certifier Name printed or typed)</i><i>(RO or DAR)</i>	
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: <i>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).</i>	
Time Period: From <u>6/18/2024</u> to <u>6/08/2026</u> <i>(Start Date)</i><i>(End Date)</i>	
Specific Dates: _____ <i>(Date 1)</i><i>(Date 2)</i><i>(Date 3)</i><i>(Date 4)</i>	
_____ <i>(Date 5)</i><i>(Date 6)</i>	
Signature: <u></u> Signature Date: <u>6/22/2026</u>	
Title: <u>Plant Manager</u>	

Texas Commission on Environmental Quality

Title V Existing

1460

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	HOUSTON LUBE AND FUEL ADDITIVES PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1000 N SOUTH ST
City	PASADENA
State	TX
ZIP	77503
County	HARRIS
Latitude (N) (##.#####)	29.734444
Longitude (W) (-###.#####)	95.171388
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101613230
What is the name of the Regulated Entity (RE)?	AFTON LUBE AND FUEL ADDITIVES PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1000 N SOUTH ST
City	PASADENA
State	TX
ZIP	77503
County	HARRIS
Latitude (N) (##.#####)	29.733333
Longitude (W) (-###.#####)	-95.166666
Facility NAICS Code	
What is the primary business of this entity?	PRODUCER OF FUEL AND LUBE OIL ADDITIVES

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN604980136
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	AFTON CHEMICAL CORPORATION
Texas SOS Filing Number	3069806
Federal Tax ID	
State Franchise Tax ID	14309250885

State Sales Tax ID	
Local Tax ID	
DUNS Number	53969234
Number of Employees	501+
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Afton Chemical Corporation
Prefix	MR
First	Christian
Middle	
Last	Porter
Suffix	
Credentials	
Title	VP Of Manufacturing
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	500 SPRING ST
Routing (such as Mail Code, Dept., or Attn:)	
City	RICHMOND
State	VA
ZIP	23219
Phone (###-###-####)	8047885837
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Christian.Porter@AftonChemical.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.	MARYAM SHEKARI(AFTON CHEMICAL ...)
Organization Name	AFTON CHEMICAL CORPORATION
Prefix	MS
First	MARYAM
Middle	
Last	SHEKARI
Suffix	
Credentials	
Title	EHS MANAGER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	1000 N SOUTH ST
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
ZIP	77503
Phone (###-###-####)	7137408340
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	maryam.shekari@aftonchemical.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 44 Min 4 Sec
3) Permit Longitude Coordinate:	95 Deg 10 Min 17 Sec
4) Is this submittal a new application or an update to an existing application?	Update
4.1. Select the permit/project number for which this update should be applied.	1460-35973
5) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

Attach OP-2 (Application for Permit Revision/Renewal)

Attach OP-ACPS (Application Compliance Plan and Schedule)

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

[File Properties]

File Name	OP-CRO2 RO appointment Title V Renewal 2026 Porter- Signed.pdf
Hash	840A57D77223097314910424CB68BEA802A1DB703028FCEB4A0810132FE27385
MIME-Type	application/pdf

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	OP-CRO1 signed 6-22-2026.pdf
Hash	54081BDD32B7FCFDD7E9430B2882A89E5B8F129A6C6B9F4C65EA2BACE24553AD
MIME-Type	application/pdf

An additional space to attach any other necessary information needed to complete the permit.

Certification

I 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.

1. I am Hari Prashanth Sundaram, the owner of the STEERS account ER068448.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V Existing 1460.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Hari Prashanth Sundaram OWNER OPERATOR

Account Number:	ER068448
Signature IP Address:	12.227.74.122
Signature Date:	2026-06-23
Signature Hash:	2C90DBB1562C00B7F5ECB2252F8C4ED076D166654EB171E176B4183668FACCBB
Form Hash Code at time of Signature:	63AA53E329B41513DFF8DEC6378F80CB5F8064BF9857713BB6788854E13B8159

Submission

Reference Number:	The application reference number is 909470
Submitted by:	The application was submitted by ER068448/Hari Prashanth Sundaram

Submitted Timestamp:

The application was submitted on 2026-06-23 at 14:57:54 CDT

Submitted From:

The application was submitted from IP address 12.227.74.122

Confirmation Number:

The confirmation number is 778680

Steers Version:

The STEERS version is 6.94

Permit Number:

The permit number is 1460

Additional Information

Application Creator: This account was created by Ethan M Heins

Ryan Glaze

From: Ryan Glaze
Sent: Tuesday, June 16, 2026 12:52 PM
To: 'Heins, Ethan'
Cc: Shekari, Maryam
Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

Thank you for reaching out and providing confirmation about Form OP-REQ1.

I will wait for your response about the Form OP-CRO1 being submitted.

Thanks,

Ryan Glaze

Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087 MC 163
Austin, TX, 78711
(512) 239-6212



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

From: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Sent: Tuesday, June 16, 2026 12:48 PM
To: Ryan Glaze <James.Glaze@tceq.texas.gov>
Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good Afternoon Mr. Glaze,

We have reviewed the recommended updates that you have proposed to Form OP-REQ1 and agree with your determination. The requested changes have been made to our facility records.

We will reach back out when our OP-CRO1 form is submitted in STEERS.

Sincerely,

Ethan Heins
Safety Specialist
Afton Chemical Corporation

From: Ryan Glaze <James.Glaze@tceq.texas.gov>

Sent: Friday, June 12, 2026 2:05 PM

To: Heins, Ethan <Ethan.Heins@AftonChemical.com>

Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

I have completed the technical review of Permit No. O1460 and request a final Form OP-CRO1 be submitted in STEERS to certify the entire review period. Additionally, please make the following updates to Form OP-REQ1. Note: you do not need to submit the updated Form OP-REQ1 to STEERS (as I have already made these changes within our system). I only require confirmation via email the changes were made for the facility's records only. I have also attached a courtesy copy of the draft permit due to these changes.

Form OP-REQ1, Section VII, Subsection A, Question 1 (page 25) response was yes. However, the facility does not have any units subject to 40 CFR Part 61 regulations. As such, please change the response to question 1 to no. Additionally, please remove all the other responses to Section VII, Subsections B-H (pages 25-30) as they do not require responses. Once all changes have been made, please confirm via email Form OP-REQ1 was updated for the facility's records only. Special Term and Condition No. 10 (referencing the part 61 requirements) was removed from the draft permit as this facility does not have any part 61 requirements.

Please provide confirmation that all the changes were made to Form OP-REQ1 by **June 19, 2026**, at the latest.

Please submit Form OP-CRO1 to STEERS by **June 24, 2026**, at the latest. On page 2, please document the time period with a start date 06/18/2024 and an end date of 06/08/2026.

If you have any questions about these changes that were made, please feel free to reach out.

Thanks,

Ryan Glaze

Operating Permits Section

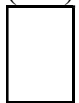
Air Permits Division

Texas Commission on Environmental Quality

P.O. Box 13087 MC 163

Austin, TX, 78711

(512) 239-6212



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

From: Ryan Glaze

Sent: Monday, June 8, 2026 4:06 PM

To: Heins, Ethan <Ethan.Heins@AftonChemical.com>

Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Ryan Glaze

From: Ryan Glaze
Sent: Monday, June 8, 2026 4:06 PM
To: Heins, Ethan
Cc: Shekari, Maryam
Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

Thank you for getting back to me on this. If no other changes need to be made, then I will go ahead and finish with my review of Permit No. O1460.

I will let you know soon when I will need the facility to submit a final Form OP-CRO1 in STEERS to certify the technical review period for this project.

Thanks,

Ryan Glaze

Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087 MC 163
Austin, TX, 78711
(512) 239-6212



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

From: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Sent: Monday, June 8, 2026 3:58 PM
To: Ryan Glaze <James.Glaze@tceq.texas.gov>
Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good Afternoon Mr. Glaze,

Thank you for looking into this for us. I can confirm the amended NSR permit issuance did affect some of the contents within the Title V Permit.

However, all the necessary changes were covered in the original application of the Title V renewal(some of which caused questions in your technical review). Our plan was to incorporate these changes during the technical review process under the assumption that the amendment would be finished by then.

Thanks,

Ethan Heins
Safety Specialist
Afton Chemical Corporation

From: Ryan Glaze <James.Glaze@tceq.texas.gov>
Sent: Thursday, June 4, 2026 4:19 PM
To: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

Thank you for letting me know. From my conversations with management, they have agreed to incorporate the issued amendment to NSR Permit No. 18161.

Please confirm if the amended NSR permit issued in March affects any of the contents within the Title V permit (need to add new units, remove units, update regulatory requirements, etc.). Please let me know as soon as possible as management will want the Public Notice Authorization Package (PNAP) sent out soon for the facility to being with the public notice publication process.

If you can let me know tentatively by **Monday June 8, 2026**, if any changes in the NSR amendment effect the Title V permit that would be great.

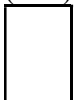
If not, I will continue to work on getting the PNAP ready for mailout. Additionally, I will let you know soon when the Final Form OP-CRO1 certificating the technical review period needs to be completed and submitted in STEERS.

Please let me know if you have any questions.

Thanks,

Ryan Glaze

Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087 MC 163
Austin, TX, 78711
(512) 239-6212



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

From: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Sent: Thursday, June 4, 2026 3:52 PM
To: Ryan Glaze <James.Glaze@tceq.texas.gov>
Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon Mr. Glaze,

We have completed our review of the WDP and do not have any additional comments, please proceed with finalizing the permit. We also approve the two changes you made to the OP-MON form for X-J-15.

In our first response to your technical review, we had asked if the amendment that was issued for our NSR Permit 18161 dated 3/18/2026 could be added as part of this renewal. Is it still possible at this time, or are we required to submit a Title V OP-Notify/Revision?

Sincerely,

Ethan Heins
Safety Specialist
Afton Chemical Corporation

From: Ryan Glaze <James.Glaze@tceq.texas.gov>

Sent: Thursday, May 14, 2026 1:54 PM

To: Heins, Ethan <Ethan.Heins@AftonChemical.com>

Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

During my review of the draft permit this afternoon I forgot to include Unit ID SURFCT from the April 23, 2026, response I received. I apologize for this mistake on my part. I have attached an updated copy of the Working Draft Permit (WDP). Unit ID SURFCT has now been included along with the permit shield for 30 TAC Chapter 115, Surface Coating Processes. Please use this version when reviewing TCEQ's determination of applicable requirements based on the information submitted in your application and the updates provided.

Please review the WDP and submit to me any comments you have regarding it by June 5, 2026. 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.

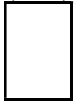
Additionally, please let me know if the facility agrees to the changes I have already mentioned on May 13, 2026.

Please let me know if you have any questions about the content of the WDP.

Thanks,

Ryan Glaze
Operating Permits Section
Air Permits Division

Texas Commission on Environmental Quality
P.O. Box 13087 MC 163
Austin, TX, 78711
(512) 239-6212



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

From: Ryan Glaze

Sent: Wednesday, May 13, 2026 2:49 PM

To: 'Heins, Ethan' <Ethan.Heins@AftonChemical.com>

Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Subject: RE: Working Draft Permit (WDP) Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

Thank you for providing the updated information. 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 review the WDP and submit to me any comments you have regarding it by June 5,

2026. 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.

In addition, I have made several changes based on the information provide and require confirmation of the changes made.

- For the Periodic Monitoring for Unit ID X-J-15 I have included at the end of the deviation limit text, "... Shall be reported as a deviation." I have included this language based on the other deviation limit text for other units also subject to Periodic Monitoring for NSPS Kb. Please confirm if the facility agrees with these changes.
- Additionally, I assume Unit ID X-J-15 does not have a control device. If this unit does not have a control device, then on Form OP-MON the control device type does not need to be stated. As such, I put the Control device as "N/A" and the Control device type as "N/A." Please confirm if the facility agrees with these changes.

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,

Ryan Glaze

Operating Permits Section

Air Permits Division

Texas Commission on Environmental Quality

Ryan Glaze

From: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Sent: Tuesday, May 12, 2026 3:37 PM
To: Ryan Glaze
Cc: Shekari, Maryam
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant
Attachments: Afton Response 5-12-26.docx; op-mon (2026-05).pdf; j - op-pbrsub (2026-05).docx; NSR Unit Authorization List - O1460 Afton Chemical Corporation (Renewal, 35973).docx

Good Afternoon Mr. Glaze,

Thank you for the additional review. Attached you will find the responses to your questions and the updates to the requested documents.

If you have any further questions, please let us know.

Sincerely,

Ethan Heins
Safety Specialist
Afton Chemical Corporation

From: Ryan Glaze <James.Glaze@tceq.texas.gov>
Sent: Monday, May 4, 2026 9:53 AM
To: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good morning,

Thank you for providing all updated documentation on April 23. Based on the provided documentation I require the following updates.

Form OP-PBRSUP

Please make the following changes to Form OP-PBRSUP based on the comments/questions below.

- Based on the responses to the NSR Unit Authorization List provided, I require some clarification to the units authorized by Permits by Rule (PBR) 106.261 and 106.262. As of now, the units highlighted within the document do not have a PBR Registration number associated for PBRs 106.261 and 106.262. A unit cannot claim authorization for these two PBRs until NSR grants a PBR Registration number. Currently, Unit IDs X-A-10, X-A-11, X-A-14, X-A-16, X-A-2, X-A-4, X-A-6, X-A-8, X-A-9, X-G-1, X-G-31, and X-J-12 all document PBRs 106.261, 106.262, and 106.472 as authorizations in the effective permit. According to Form OP-PBRSUP Table A, PBR Registration Nos. 157407 and 162997 are associated for these units. In the NSR Unit

Authorization List provided on March 31, 2026, the PBR Registration Nos. only authorize PBR 106.472 not the other two PBRs. According to TCEQ records, PBR Registration Nos. 157407 and 162997 are associated with PBRs 106.261, 106.262, and 106.472. Please confirm if these units are authorized by PBRs 106.261 and 106.262. If so, please make the following changes to Form OP-PBRSUP.

- Document the units above on Form OP-PBRSUP Table A and associate a PBR Registration number to PBRs 106.261 and 106.262. Please associate either PBR Registration Nos. 157407 and 162997 (or both) as the registration number. If the facility cannot associate PBR Registration Nos. 157407 or 162997 to the units above, then please get with NSR to grant a new PBR Registration number. Lastly, the units authorized by PBRs 106.261 and 106.262 must document the monitoring requirements required in the PBR Rule text on Table D of Form OP-PBRSUP.
 - If the units above do not require PBRs 106.261 and 106.262 as authorizations, then I will remove these PBRs from the NSR authorization list of the Title V permit.
- Unit IDs X-J-24, X-J-25, X-J-26, X-J-27, X-J-28, X-J-29, X-J-30, X-J-31, X-J-32, and R-1228 on Table B are missing from Form OP-PBRSUP Table D. Please document PBR 106.263 monitoring requirements on Table D of Form OP-PBRSUP for these units.
 - Form OP-PBRSUP Table D lists Unit ID X-G-35 as having monitoring requirements for PBR 106.472. However, the unit is missing from Table B. Please confirm if the unit is authorized by PBR 106.472 and if so, please document this unit on Table B. If Unit ID X-G-35 is not authorized by PBR 106.472 please remove it from Table D of Form OP-PBRSUP. I will also remove PBR 106.472 from Unit ID X-G-35's list of authorizations.
 - Form OP-PBRSUP Table B lists Unit ID X-I-2 as authorized by PBR 106.472. Please document the monitoring requirements for this unit on Table D based on the PBR rule text. Additionally, the Version No./Date of 11/6/2020 on Table B for PBR 106.472 is not correct. The only possible version No./Dates available are 03/14/1997 or 09/04/2000. If Unit ID X-I-2 does not have PBR 106.472 as an authorization, then please remove the unit from Table B. I will also remove PBR 106.472 from Unit ID X-I-2's list of authorizations.
 - Form OP-PBRSUP only lists PBR 106.263 for Unit ID X-G-36 as an authorization. However, the effective permit documents PBR 106.472 as an additional authorization for this unit. Please confirm if the unit is authorized by PBR 106.472 and if so, please document it on Form OP-PBRSUP (Tables B and D). If not, I will remove PBR 106.472 from Unit ID X-G-36's list of authorizations.
 - Unit IDs X-I-12, X-I-13, X-J-15, and X-J-20 list PBR 106.472 as an authorization. However, these units do not have PBR 106.472 documented on Form OP-PBRSUP as an authorization. Please confirm if these units are authorized by this PBR. If so, please document on Form OP-PBRSUP otherwise I will remove PBR 106.472 from the units' list of authorizations.
 - Please send an updated Form OP-PBRSUP (All tables must be submitted together even if no changes are being made to Table C) with all the changes listed above. Please make sure that all Form OP-PBRSUP tables (Tables A-D) have an updated date on each table when sending the updated Form OP-PBRSUP back to TCEQ. Please review [Form OP-PBRSUP Instructions](#) on how to complete these changes.

Form OP-MON

- Unit ID X-J-15's Periodic Monitoring (PM) request for NSPS Kb 60Kb-03, for monitoring of VOC emissions, § 60.112b(a)(3)[G], cannot use PM-V-006 and PM-V-053 as the periodic monitoring option numbers. Yes, both are acceptable for the monitoring of a flare. However, NSPS Kb already references § 60.18 flare requirements within the citation text for Unit ID X-J-15. As such, the flare control device does not require periodic monitoring, but the closed vent system associated with the flare.
- Based on the advice from my team's technical specialist the facility should use both PM Option Nos. PM-V-058 and PM-V-059 for Unit ID X-J-15. Additionally, both PM Option Numbers already have usage at the facility for Unit IDs X-J-16 and X-J-17 for the same Periodic Monitoring scenario. Please review the facility's effective permit and the NSPS Kb Periodic Monitoring for Unit IDs X-J-16 and X-J-17 to help with the PM request for Unit ID X-J-15.
- Please provide an updated Form OP-MON with the updated PM Option Numbers and deviation limits for Unit ID X-J-15. Please review [TCEQ Periodic Monitoring Guidance](#) for PM Option Nos. PM-V-058 and PM-V-059 to help with updating Form OP-MON.

Please provide all updated documentation by **May 15, 2026**, at the latest.

Please let me know if you have any questions.

Thanks,

Ryan Glaze

Operating Permits Section

Air Permits Division

Texas Commission on Environmental Quality

P.O. Box 13087 MC 163

Austin, TX, 78711

(512) 239-6212



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

From: Heins, Ethan <Ethan.Heins@AftonChemical.com>

Sent: Thursday, April 23, 2026 1:15 PM

To: Ryan Glaze <James.Glaze@tceq.texas.gov>

Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good Afternoon Mr. Glaze,

Thank you for the thorough review. Attached you will find the responses to your questions and the updates to the requested documents.

If you have any further questions, please let us know.

Form OP-PBRSUP

Please make the following changes to Form OP-PBRSUP based on the comments/questions below.

- Based on the responses to the NSR Unit Authorization List provided, I require some clarification to the units authorized by Permits by Rule (PBR) 106.261 and 106.262. As of now, the units highlighted within the document do not have a PBR Registration number associated for PBRs 106.261 and 106.262. A unit cannot claim authorization for these two PBRs until NSR grants a PBR Registration number. Currently, Unit IDs X-A-10, X-A-11, X-A-14, X-A-16, X-A-2, X-A-4, X-A-6, X-A-8, X-A-9, X-G-1, X-G-31, and X-J-12 all document PBRs 106.261, 106.262, and 106.472 as authorizations in the effective permit. According to Form OP-PBRSUP Table A, PBR Registration Nos. 157407 and 162997 are associated for these units. In the NSR Unit Authorization List provided on March 31, 2026, the PBR Registration Nos. only authorize PBR 106.472 not the other two PBRs. According to TCEQ records, PBR Registration Nos. 157407 and 162997 are associated with PBRs 106.261, 106.262, and 106.472. Please confirm if these units are authorized by PBRs 106.261 and 106.262. If so, please make the following changes to Form OP-PBRSUP.
 - Document the units above on Form OP-PBRSUP Table A and associate a PBR Registration number to PBRs 106.261 and 106.262. Please associate either PBR Registration Nos. 157407 and 162997 (or both) as the registration number. If the facility cannot associate PBR Registration Nos. 157407 or 162997 to the units above, then please get with NSR to grant a new PBR Registration number. Lastly, the units authorized by PBRs 106.261 and 106.262 must document the monitoring requirements required in the PBR Rule text on Table D of Form OP-PBRSUP.
 - If the units above do not require PBRs 106.261 and 106.262 as authorizations, then I will remove these PBRs from the NSR authorization list of the Title V permit. **You can remove PBRs 106.261 and 106.262 from the highlighted units for clarification purposes. The units above are all part of PBR Registration Nos. 157407 and 162997. However, only PBR 106.472 is what authorizes them (Load spots and Tank unloads) inside of those PBR registrations, the 106.261 and 106.262 PBRs authorize the fugitive and flare emissions from units X-GZ-0 and X-D-1.**
- Unit IDs X-J-24, X-J-25, X-J-26, X-J-27, X-J-28, X-J-29, X-J-30, X-J-31, X-J-32, and R-1228 on Table B are missing from Form OP-PBRSUP Table D. Please document PBR 106.263 monitoring requirements on Table D of Form OP-PBRSUP for these units. **Monitoring requirements were added to Form OP-PBRSUP Table D.**
- Form OP-PBRSUP Table D lists Unit ID X-G-35 as having monitoring requirements for PBR 106.472. However, the unit is missing from Table B. Please confirm if the unit is authorized by PBR 106.472 and if so, please document this

unit on Table B. If Unit ID X-G-35 is not authorized by PBR 106.472 please remove it from Table D of Form OP-PBRSUP. I will also remove PBR 106.472 from Unit ID X-G-35's list of authorizations. **Unit X-G-35 was consolidated in the most recent permit amendment dated 3/18/2026. It is no longer authorized by PBR and can be removed and changed to NSR 18161 for the list of authorizations. This edit was made on the previous NSR authorization list sent on 4/23/2026.**

- Form OP-PBRSUP Table B lists Unit ID X-I-2 as authorized by PBR 106.472. Please document the monitoring requirements for this unit on Table D based on the PBR rule text. Additionally, the Version No./Date of 11/6/2020 on Table B for PBR 106.472 is not correct. The only possible version No./Dates available are 03/14/1997 or 09/04/2000. If Unit ID X-I-2 does not have PBR 106.472 as an authorization, then please remove the unit from Table B. I will also remove PBR 106.472 from Unit ID X-I-2's list of authorizations. **Unit ID X-I-2 has been added to Table D.**
- Form OP-PBRSUP only lists PBR 106.263 for Unit ID X-G-36 as an authorization. However, the effective permit documents PBR 106.472 as an additional authorization for this unit. Please confirm if the unit is authorized by PBR 106.472 and if so, please document it on Form OP-PBRSUP (Tables B and D). If not, I will remove PBR 106.472 from Unit ID X-G-36's list of authorizations. **Unit ID X-G-36 was a part of PBR registration 133143 using authorization PBR 106.472. However, that PBR was consolidated in a prior amendment and is no longer active. PBR 106.472 can be removed on the NSR authorization list.**
- Unit IDs X-I-12, X-I-13, X-J-15, and X-J-20 list PBR 106.472 as an authorization. However, these units do not have PBR 106.472 documented on Form OP-PBRSUP as an authorization. Please confirm if these units are authorized by this PBR. If so, please document on Form OP-PBRSUP otherwise I will remove PBR 106.472 from the units' list of authorizations. **Yes these units are authorized by PBR 106.472, Form OP-PBRSUP tables A and D have been updated accordingly.**
- Please send an updated Form OP-PBRSUP (All tables must be submitted together even if no changes are being made to Table C) with all the changes listed above. Please make sure that all Form OP-PBRSUP tables (Tables A-D) have an updated date on each table when sending the updated Form OP-PBRSUP back to TCEQ. Please review [Form OP-PBRSUP Instructions](#) on how to complete these changes.

Form OP-MON

- Unit ID X-J-15's Periodic Monitoring (PM) request for NSPS Kb 60Kb-03, for monitoring of VOC emissions, § 60.112b(a)(3)[G], cannot use PM-V-006 and PM-V-053 as the periodic monitoring option numbers. Yes, both are acceptable for the monitoring of a flare. However, NSPS Kb already references § 60.18 flare

requirements within the citation text for Unit ID X-J-15. As such, the flare control device does not require periodic monitoring, but the closed vent system associated with the flare.

- Based on the advice from my team's technical specialist the facility should use both PM Option Nos. PM-V-058 and PM-V-059 for Unit ID X-J-15. Additionally, both PM Option Numbers already have usage at the facility for Unit IDs X-J-16 and X-J-17 for the same Periodic Monitoring scenario. Please review the facility's effective permit and the NSPS Kb Periodic Monitoring for Unit IDs X-J-16 and X-J-17 to help with the PM request for Unit ID X-J-15.
- Please provide an updated Form OP-MON with the updated PM Option Numbers and deviation limits for Unit ID X-J-15. Please review [TCEQ Periodic Monitoring Guidance](#) for PM Option Nos. PM-V-058 and PM-V-059 to help with updating Form OP-MON. **Form OP-MON has been updated for Unit X-J-15 to be consistent with X-J-16 and X-J-17 PM Options.**

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 No.:	Regulated Entity No.:	
05/12/2026	O1460	RN101613230	

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
DRYABCLN	45551	§106.452	6/8/2005
SURFCT	45551	§106.433	6/8/2005
TOTE1	157407	§106.472	5/5/2020
TOTE2	157407	§106.472	5/5/2020
X-A-2	157407, 162997	§106.472	5/5/2020, 11/6/2020
X-A-4	157407	§106.472	5/5/2020
X-A-6	157407, 162997	§106.472	5/5/2020, 11/6/2020
X-A-7	157407; 162997	§106.472	5/5/2020; 11/6/2020
X-A-8	157407	§106.472	5/5/2020
X-A-9	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-10	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-11	157407; 162997	§106.472	5/5/2020; 11/6/2020
X-A-13	162997	§106.472	11/6/2020
X-A-14	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-16	157407	§106.472	5/5/2020
X-A-17	162997	§106.472	11/6/2020
X-A-20	157407	§106.472	5/5/2020
X-D-1	157407	§106.261, §106.262	5/5/2020

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 No.:	Regulated Entity No.:
05/12/2026	O1460	RN101613230

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
X-G-1	157407	§106.472	5/5/2020
X-G-23	162997	§106.472	11/6/2020
X-G-31	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-G-37	150687	§106.472	3/21/2018
X-G-38	150687	§106.472	3/21/2018
X-G-39	150687	§106.472	3/21/2018
X-G-40	150687	§106.472	3/21/2018
X-GZ-0	150687	§106.261	3/21/2018
	156492; 157407; 160732; 162997	§106.261, §106.262	5/16/2019; 5/5/2020; 4/28/2020; 11/6/2020
	157474; 158512	§106.262	7/23/2019; 10/11/2019
X-GZ-2	157695	§106.261, §106.262	8/7/2019
X-GZ-3	157695; 162997	§106.261, §106.262; §106.261	8/7/2019; 11/6/2020
X-GZ-51	157695	§106.261, §106.262	8/7/2019
X-H-16	162997	§106.472	11/6/2020
X-H-17	162997	§106.472	11/6/2020

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 No.:	Regulated Entity No.:
05/12/2026	O1460	RN101613230

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
X-H-19	162997	§106.472	11/6/2020
X-H-20	162997	§106.472	11/6/2020
X-H-21	162997	§106.472	11/6/2020
X-I-12	157407	§106.261, §106.262, §106.472	5/5/2020
X-I-13	157407	§106.261, §106.262, §106.472	5/5/2020
X-J-12	157407	§106.472	5/5/2020
X-J-15	157407	§106.261, §106.262, §106.472	5/5/2020
X-J-20	157407	§106.261, §106.262, §106.472	5/5/2020

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date
D-1420	§106.264	09/04/2000
DEG1	§106.454	11/01/2001
DEG2	§106.454	11/01/2001
DIESEL1	§106.412	09/04/2000
GAS1	§106.412	09/04/2000
GEN1	§106.511	09/04/2000
HNDMCH	§106.265	09/04/2000
PORTTK	§106.473	09/04/2000
VACTRKS	§106.263	11/01/2001
X-D-1	§106.263	11/01/2001
X-G-36	§106.263	11/01/2001
X-I-6	§106.263	11/01/2001
X-I-2	§106.472	09/04/2000
X-I-9	§106.263	11/01/2001
X-I-12	§106.263	11/01/2001
X-I-13	§106.263	11/01/2001
X-J-15	§106.263	11/01/2001
X-J-16	§106.263	11/01/2001
X-J-17	§106.263	11/01/2001
X-J-18	§106.263	11/01/2001
X-J-19	§106.263	11/01/2001
X-J-20	§106.263	11/01/2001

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date
X-J-24	§106.263	11/01/2001
X-J-25	§106.263	11/01/2001
X-J-26	§106.263	11/01/2001
X-J-27	§106.263	11/01/2001
X-J-28	§106.263	11/01/2001
X-J-29	§106.263	11/01/2001
X-J-30	§106.263	11/01/2001
X-J-31	§106.263	11/01/2001
X-J-32	§106.263	11/01/2001
R-1228	§106.263	11/01/2001

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
05/12/2026	O1460	RN101613230

[illegible]

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
D-1420	§106.264	09/04/2000	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with §106.264(1)-(6)
DEG1	§106.454	11/01/2001	Maintain records of solvent type(s) and total solvent makeup (gross usage minus waste disposal) on monthly basis.
DEG2	§106.454	11/01/2001	Maintain records of solvent type(s) and total solvent makeup (gross usage minus waste disposal) on monthly basis.
DIESEL1	§106.412	09/04/2000	Maintain records of materials stored and dispensed.
DRYABCLN	§106.452	09/04/2000	The facility will maintain records for outside blast cleaning, including abrasive material usage and operating hours, in accordance with 30 TAC §106.452(2).
GAS1	§106.412	09/04/2000	Maintain records of materials stored and dispensed.
GEN1	§106.511	09/04/2000	Maintain records showing that the engine is used only for portable, emergency, and/or standby services, and that annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
HNDMCH	§106.265	09/04/2000	Maintain a list of types of hand-held or manually operated equipment used onsite, such as impact drills, reciprocating saws, powered hand tools, etc.
PORTTK	§106.473	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored and loading rates.
SURFCT	§106.433	09/04/2000	Maintain the following records in accordance with 30 TAC §106.433(8) for the most recent 24 -month period: (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 operation; (c) a monthly report that of actual hours of operation each day, and emissions from each operation; and (d) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.
TOTE1	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TOTE2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
VACTRKS	§106.263	11/01/2001	Maintain monthly records of vacuum truck Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-A-2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-4	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-6	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-7	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-8	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-9	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-10	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-11	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-13	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-14	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-16	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-17	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-D-1	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-D-1	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-D-1	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-G-1	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-23	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-31	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-36	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-G-37	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-38	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-39	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-40	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-GZ-0	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-0	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-GZ-2	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-2	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-GZ-3	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-3	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-GZ-51	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-51	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-H-16	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-17	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-19	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-21	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-I-2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-I-6	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-9	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-12	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

X-I-12	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
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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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-I-12	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-12	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-I-13	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-I-13	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-I-13	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-13	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-J-12	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-J-15	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-J-15	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-J-15	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-15	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.

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

X-J-16	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-17	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-18	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

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
05/12/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-J-19	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-20	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-J-20	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-J-20	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-J-24	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-25	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-26	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-27	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-28	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

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

X-J-29	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-30	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-31	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-32	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
R-1228	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 1)
Federal Operating Permit Program
Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: HG-6831-P	RN No.: RN101613230	CN: CN604980136
Permit No.: O1460	Project No.: P3399	
Area Name: Houston Lube and Fuel Additives Plant		
Company Name: Afton Chemical Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 13		
Unit/EPN/Group/Process ID No.: X-J-15		
Applicable Form: OP-UA3		
III. Applicable Regulatory Requirement		
Name: 40 CFR Part 60 Subpart Kb		
SOP/GOP Index No.: 60Kb-03		
Pollutant: VOC		v
Main Standard: 60.112b(a)(3)[G]		
IV. Title V Monitoring Information		
Monitoring Type: PM		v
Unit Size:		
CAM/PM Option No.: PM-V-058		
Deviation Limit: Failure to measure fugitive emissions or fugitive emissions greater than 500ppmv above background		
CAM/PM Option No.: PM-V-059		
Deviation Limit: Failure to inspect the closed vent system or defects in the closed vent system that may result in emis		
V. Control Device Information		
Control Device ID No.: N/A		
Control Device Type: CVS		

Ryan Glaze

From: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Sent: Thursday, April 23, 2026 1:15 PM
To: Ryan Glaze
Cc: Shekari, Maryam
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant
Attachments: Afton Response 4-23-26.docx; NSR Unit Authorization List - O1460 Afton Chemical Corporation (Renewal, 35973).docx; op-mon (2026-04).pdf; j - op-pbrsup (2026-04).pdf

Good Afternoon Mr. Glaze,

Thank you for the thorough review. Attached you will find the responses to your questions and the updates to the requested documents.

If you have any further questions, please let us know.

Sincerely,

Ethan Heins
Safety Specialist
Afton Chemical Corporation

From: Heins, Ethan
Sent: Wednesday, April 1, 2026 11:00 AM
To: 'Ryan Glaze' <James.Glaze@tceq.texas.gov>
Cc: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good Morning Mr. Glaze,

This email is to confirm receipt of the requested additional information. I will be handling the response and will let you know if I have any questions!

Sincerely,

Ethan Heins
Safety Specialist
Afton Chemical Corporation

From: Ryan Glaze <James.Glaze@tceq.texas.gov>
Sent: Wednesday, April 1, 2026 9:22 AM
To: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Cc: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good morning Maryam,

I forgot to include this as part of my email yesterday, but I have attached the following document for the facility to review.

I have attached the New Source Review Authorization Summary which identifies the Pre-Construction Authorizations for every unit associated with the Title V permit. I noticed several units are authorized by PBRs 106.261 and 106.262 but don't have an associated PBR Registration number on Form OP-PBRSUP (I have highlighted the units in question on this form). Please review the attached form and determine if any authorizations require updates. If updates are required, please document them on this form. For any units authorized by PBRs please make sure they're documented on the appropriate Table on Form OP-PBRSUP.

Please include these updates on **April 24, 2026**, with the other updates requested yesterday.

Please let me know if you have any questions.

Thanks,

Ryan Glaze

Operating Permits Section

Air Permits Division

Texas Commission on Environmental Quality

P.O. Box 13087 MC 163

Austin, TX, 78711

(512) 239-6212



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

From: Ryan Glaze

Sent: Tuesday, March 31, 2026 1:09 PM

To: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>

Cc: Heins, Ethan <Ethan.Heins@AftonChemical.com>

Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon Maryam,

I have completed my initial review of the Renewal application for SOP O1460, Afton Chemical Company, Houston Lube and Fuel Additives Plant and have identified the following items that require additional information and/or documentation:

Form OP-REQ1

- A more recent version of Form OP-REQ1 was released since the submittal of the renewal application back in November of 2023. Title V will not require the facility to submit the most recent version of Form OP-REQ1. However, please make sure to update Form OP-REQ1 to the most recent version for the facility's records only. The following updates/responses will need to be

made when updating the facility's Form OP-REQ1 to the 09/24 version. I have hyperlinked [Form OP-REQ1](#) the 09/24 version for the facility to update to the more recent version.

- Section III., Subsection E, Question 4 (located on page 9) response was "NO." As such, the responses to Questions 5-8 are not required. Please provide a response if this is correct and update Form OP-REQ1 Section III for the facility's records only.
- Section IV., Subsection F. Question 6 (located on page 15) response was "NO". As such, the responses to Questions 7-8 are not required. Please provide a response if this is correct and update Form OP-REQ1 Section IV for the facility's records only.
- Section VI., Subsection C., Question 1 (located on page 18) doesn't require a response as this is only for GOPs. Please provide a response if this is correct and update Form OP-REQ1 Section VI for the facility's records only.
- Section VI., Subsection H., Question 4 (located on page 21) requires a response as the response to Question 1 was "NO." I have data interpreted the response to Question 4 as "NO." Please provide a response if this is correct and update Form OP-REQ1 Section VI for the facility's records only.
- Section VI., Subsection I., Question 4 (located on page 23) requires a response as the response to Question 1 was "NO." I have data interpreted the response to Question 4 as "NO." Please provide a response if this is correct and update Form OP-REQ1 Section VI for the facility's records only.
- According to TCEQ records, the facility's NSR Permit 18161 has a more recent issuance date of 03/18/2026. Please confirm if the issuance date is correct and needs documentation in the Title V permit.

Form OP-REQ2

- The negative applicability provided on Form OP-REQ2 and permit shield request for Unit ID GEN1 for 30 TAC Chapter 117, Subchapter D, Division 1 was not approved. 30 TAC Chapter 117, Subchapter D, Division 1 is not a regulation found on Form OP-UA2. Additionally, the facility is already a minor source of NOx according to Form OP-1. As such, this unit already meets the TAC § 117.2003(a) exemption which is documented in the effective Title V permit located on page 7, Special Term and Condition No. 8.B. For this reason, Title V doesn't deem it necessary to grant a permit shield for this unit as the exemption is already found as a Special Term and Condition.
- The negative applicability citation provided for Unit IDs DEG1 and DEG2 for 30 TAC Chapter 115, Subchapter E, Division 1 requires updates. The citation provided §115.411(4) doesn't match the reasoning provided for this regulation. I have data interpreted the negative applicability citation as §115.411(a)(4) which matches the negative applicability reasoning provided on Form OP-REQ2. Please review 30 TAC Chapter 115, Subchapter E, Division 1 and confirm if this negative applicability citation update is correct. If so, please update Form OP-REQ2 for the facility's records only.
- The negative applicability reasoning provided for Unit ID SURFCT for 30 TAC Chapter 115, Subchapter E, Division 2 doesn't match the citation provided. Citation § 115.420(a) for 30 TAC Chapter 115, Subchapter E, Division 2 states, "The owner or operator of a surface coating process in the Beaumont-Port Arthur, Bexar County, Dallas-Fort Worth, El Paso, and Houston-Galveston-Brazoria areas, as defined in §115.10 of this title (relating to Definitions), and in Gregg, Nueces, and Victoria Counties, as specified in each paragraph below, is subject to this division. All owners and operators shall be in compliance with this division in accordance with the compliance schedules listed in §115.429 of this title (relating to Counties and Compliance Schedules)." The negative applicability reasoning provided on Form OP-REQ2 states, "The surface coating operating is not a process specified in 30 TAC § 115.420(a)." The reasoning provided doesn't

explain why this unit isn't subject to this regulation. The citation requirements stated in 30 TAC Chapter 115, Subchapter D, Division 1 list all the different surface coating processes operating scenarios that are subject to this regulation. If the facility is operating a surface coating process not stated within the citation text, then the reasoning text should state the type of surface coating process in operation isn't mentioned in the regulation citation text. Please review citations § 115.420(b) and 115.420(c) and if the surface coating process at the facility isn't mentioned please update Form OP-REQ2 for this unit based on what is stated above. If it's determined the surface coating process type in operation is mentioned within the citation text, then the facility may need to submit Form OP-UA18.

Form OP-SUMR

- Unit IDs DRYABCLN, HNDMCH, NAHS-MSS, and VACTRKS are all mentioned on Form OP-SUMR. However, no unit attribute forms were submitted for these units. Additionally, these units don't exist in the effective Title V permit. Please confirm if these units have Title V requirements and if so, please provide the appropriate unit attribute form(s). If the units don't have Title V requirements, then they do not need to be included in the permit. Note: if units don't have Title V requirements but are authorized by either a PBR or Standard Exemption (SE) they must be documented on Form OP-PBRSUP.

Form OP-UA2

- Form OP-UA2 requires the following updates for Unit ID GEN1 for 40 CFR Part 60, Subpart IIII. On Table 5b, the Unit Attribute code for Displacement should be 10- not 10-CS, as the Unit Attribute code on Table 5a for Commencing is CON. On Table 5c, the Unit Attribute code for Kilowatts should be E130-368 since the service type is EMERG. The Unit Attribute code N130-368 provided is for Non-Emergency Engines. Additionally, on Table 5c please confirm that the Compliance Option Unit Attribute code is Manu Yes as the Unit Attribute code provided of just yes isn't a possible option. Please review [Form OP-UA2 Instructions](#) and confirm if these changes are correct. If so, please update Form OP-UA2 for the facility's records only.

Form OP-UA3

- Form OP-UA3 requires the following update for Unit ID X-J-15 for 40 CFR Part 60, Subpart Kb for SOP Index No. Kb60-01. On Table 3, the Unit Attribute code for Storage Vessel Description isn't required as the Maximum True Vapor Pressure (TVP) is 0.5-. Please review [Form OP-UA3 Instructions](#) and confirm if this change is correct. If so, please update Form OP-UA3 for the facility's records only.
- According to the effective permit, Group ID GRPTANK6 only has one unit associated with this group (Unit ID X-J-22). A single unit cannot be in a group by itself. Title V defines a group as a collective of two or more units that have the same operating scenarios across all applicable regulations. Please confirm if any other tanks are associated with Group ID GRPTANK6, otherwise I will remove this group from the facility's Title V permit and Unit ID X-J-22 will no longer be associated with any groups.

Form OP-UA12

- The existing Unit Attribute code for Group ID GRPFUG requires updates for 30 TAC Chapter 115, Subchapter D, Division 3. On Form OP-UA12, Table 2a the existing Unit Attribute code No is no longer an available option for the 30 TAC § 115.352 Applicable question. I have data interpreted the new Unit Attribute code response as None which provides the same exact response as the

previous Unit Attribute code of No. Please review [Form OP-UA12 Instructions](#) and confirm if this change is correct. If so, please update Form OP-UA12 for the facility's records only.

Form OP-UA13

- The existing Form OP-UA13 for Unit ID X-B-1 to document negative applicability to 40 CFR Part 63, Subpart Q was removed as the facility is not a major source of HAPS. Unit ID X-B-1 only had 40 CFR Part 63, Subpart Q documented on Form OP-UA13. As such, this Unit Attribute information was removed from our system. The permit shield for Unit ID X-B-1 to document negative applicability to 40 CFR Part 63, Subpart Q remains in the facility's Title V permit. Please let me know if you have any questions about this change for Unit ID X-B-1.

Form OP-MON

- Unit ID X-J-15 flagged in our system as subject to Periodic Monitoring (PM) for 40 CFR Part 60 Subpart Kb. As such, please provide Form OP-MON for Unit ID X-J-15 (only for SOP Index No. 60Kb-03) for the monitoring of pollutant VOC, citation § 60.112b(a)(3)[G]. Possible PM Options Nos. that possibly best describe this operating scenario are PM-V-058 and PM-V-059. Please review [TCEQ Periodic Monitoring Guidance](#) on which pre-approved PM option Nos. are applicable for this unit. If the facility chooses to submit the PM requests as Case-by-Case, then technical justification must be provided. Technical justification is defined by TCEQ as emission calculations, manufacture's specifications, or anything to support the facility's deviation from the pre-approved PM Option Nos. Please provide all Periodic Monitoring on Form OP-MON. If technical justification is provided, then please attach as a separate attachment.

Form OP-PBRSUP

- On March 18, 2026, PBR Registration Nos. 108205 and 123667 were voided as they were consolidated into the facility's NSR Permit 18161. Please review Table A of Form OP-PBRSUP and determine if the units previously authorized by these PBR Registration Nos. are still authorized by PBRs 106.263 or 106.472. If so, please document those units on Tables B and D of Form OP-PBRSUP. Note: PBRs 106.261 and 106.262 cannot be documented on Table B as these PBRs must be registered.
- If a unit has a Registered PBR number on Table A, then the registration number needs to be associated not the Version No./Date within the text box on Table D. Please update Table D on Form OP-PBRSUP to associate all units authorized by a PBR Registration number. Please send an updated Form OP-PBRSUP (All tables must be submitted together even if no changes are being made to Table C) with all the changes listed above. Please make sure that all Form OP-PBRSUP tables (Tables A-D) have an updated date on each table when sending the updated Form OP-PBRSUP back to TCEQ. Please review [Form OP-PBRSUP Instructions](#) on how to complete these changes.

Please provide all responses and updated documentation by **April 24, 2026**, at the latest.

Please let me know if you have any questions.

Thanks,

Ryan Glaze

Operating Permits Section

Air Permits Division

Form OP-REQ1

- A more recent version of Form OP-REQ1 was released since the submittal of the renewal application back in November of 2023. Title V will not require the facility to submit the most recent version of Form OP-REQ1. However, please make sure to update Form OP-REQ1 to the most recent version for the facility's records only. The following updates/responses will need to be made when updating the facility's Form OP-REQ1 to the 09/24 version. I have hyperlinked [Form OP-REQ1](#) the 09/24 version for the facility to update to the more recent version.
 - Section III., Subsection E, Question 4 (located on page 6) response was "NO." As such, the responses to Questions 5-8 are not required. Please provide a response if this is correct and update Form OP-REQ1 Section III for the facility's records only. **This response is correct, our records have been updated.**
 - Section IV., Subsection F. Question 6 (located on page 15) response was "NO". As such, the responses to Questions 7-8 are not required. Please provide a response if this is correct and update Form OP-REQ1 Section IV for the facility's records only. **This response is correct, our records have been updated.**
 - Section VI., Subsection C., Question 1 (located on page 18) doesn't require a response as this is only for GOPs. Please provide a response if this is correct and update Form OP-REQ1 Section VI for the facility's records only. **This is correct, our records have been updated.**
 - Section VI., Subsection H., Question 4 (located on page 21) requires a response as the response to Question 1 was "NO." I have data interpreted the response to Question 4 as "NO." Please provide a response if this is correct and update Form OP-REQ1 Section VI for the facility's records only. **This response is correct, we do not have an air curtain incinerator, our records have been updated.**
 - Section VI., Subsection I., Question 4 (located on page 23) requires a response as the response to Question 1 was "NO." I have data interpreted the response to Question 4 as "NO." Please provide a response if this is correct and update Form OP-REQ1 Section VI for the facility's records only. **This response is correct, we do not have an air curtain incinerator, our records have been updated.**

- According to TCEQ records, the facility's NSR Permit 18161 has a more recent issuance date of 03/18/2026. Please confirm if the issuance date is correct and needs documentation in the Title V permit. **That is correct, an amendment was made to NSR Permit 18161 and has been issued on 03/18/2026. Can the amendment be added as part of this renewal or is it required for us to submit a Title V OP-Notify/Revision?**

Form OP-REQ2

- The negative applicability provided on Form OP-REQ2 and permit shield request for Unit ID GEN1 for 30 TAC Chapter 117, Subchapter D, Division 1 was not approved. 30 TAC Chapter 117, Subchapter D, Division 1 is not a regulation found on Form OP-UA2. Additionally, the facility is already a minor source of NOx according to Form OP-1. As such, this unit already meets the TAC § 117.2003(a) exemption which is documented in the effective Title V permit located on page 7, Special Term and Condition No. 8.B. For this reason, Title V doesn't deem it necessary to grant a permit shield for this unit as the exemption is already found as a Special Term and Condition. **The facility accepts that this permit shield is denied.**
- The negative applicability citation provided for Unit IDs DEG1 and DEG2 for 30 TAC Chapter 115, Subchapter E, Division 1 requires updates. The citation provided §115.411(4) doesn't match the reasoning provided for this regulation. I have data interpreted the negative applicability citation as §115.411(a)(4) which matches the negative applicability reasoning provided on Form OP-REQ2. Please review 30 TAC Chapter 115, Subchapter E, Division 1 and confirm if this negative applicability citation update is correct. If so, please update Form OP-REQ2 for the facility's records only. **The negative applicability citation update you have provided is correct, our records have been updated.**
- The negative applicability reasoning provided for Unit ID SURFCT for 30 TAC Chapter 115, Subchapter E, Division 2 doesn't match the citation provided. Citation § 115.420(a) for 30 TAC Chapter 115, Subchapter E, Division 2 states, "The owner or operator of a surface coating process in the Beaumont-Port Arthur, Bexar County, Dallas-Fort Worth, El Paso, and Houston-Galveston-Brazoria areas, as defined in §115.10 of this title (relating to Definitions), and in Gregg, Nueces, and Victoria Counties, as specified in each paragraph below, is subject to this division. All owners and operators shall be in compliance with this division in accordance with the compliance schedules listed in §115.429 of this title (relating to Counties and

Compliance Schedules).” The negative applicability reasoning provided on Form OP-REQ2 states, “The surface coating operating is not a process specified in 30 TAC § 115.420(a).” The reasoning provided doesn’t explain why this unit isn’t subject to this regulation. The citation requirements stated in 30 TAC Chapter 115, Subchapter D, Division 1 list all the different surface coating processes operating scenarios that are subject to this regulation. If the facility is operating a surface coating process not stated within the citation text, then the reasoning text should state the type of surface coating process in operation isn’t mentioned in the regulation citation text. Please review citations § 115.420(b) and 115.420(c) and if the surface coating process at the facility isn’t mentioned please update Form OP-REQ2 for this unit based on what is stated above. If it’s determined the surface coating process type in operation is mentioned within the citation text, then the facility may need to submit Form OP-UA18. **All uncontrolled surface coating processes that occur do not emit a combined weight of VOC greater than 3.0 pounds per hour and 15 pounds in any consecutive 24-hour period. Therefore citation 115.427(3)(A) will satisfy the negative applicability.**

Form OP-SUMR

- Unit IDs DRYABCLN, HNDMCH, NAHS-MSS, and VACTRKS are all mentioned on Form OP-SUMR. However, no unit attribute forms were submitted for these units. Additionally, these units don’t exist in the effective Title V permit. Please confirm if these units have Title V requirements and if so, please provide the appropriate unit attribute form(s). If the units don’t have Title V requirements, then they do not need to be included in the permit. Note: if units don’t have Title V requirements but are authorized by either a PBR or Standard Exemption (SE) they must be documented on Form OP-PBRSUP. **These units do not have Title V requirements and are documented on Form OP-PBRSUP that was submitted as part of this renewal. NAHS-MSS was part of the NSR Permit 18161 amendment issued on 03/18/2026 and was removed from PBRSUP since PBR No. 108205 was voided.**

Form OP-UA2

- Form OP-UA2 requires the following updates for Unit ID GEN1 for 40 CFR Part 60, Subpart IIII. On Table 5b, the Unit Attribute code for Displacement should be 10- not 10-CS, as the Unit Attribute code on Table 5a for Commencing is CON. On Table 5c, the Unit Attribute code for Kilowatts should be E130-368 since the service type is EMERG. The Unit Attribute code N130-368 provided is for Non-Emergency Engines.

Additionally, on Table 5c please confirm that the Compliance Option Unit Attribute code is Manu Yes as the Unit Attribute code provided of just yes isn't a possible option. Please review [Form OP-UA2 Instructions](#) and confirm if these changes are correct. If so, please update Form OP-UA2 for the facility's records only. **Per form OP-UA2 Instructions in Table 5b, the Displacement is supposed to be 10-CS based on the "Service" not the "Commencing" column. Therefore no changes are necessary.**

For Table 5c, the Kilowatts was updated to UA code E130-368, and Compliance option was updated to MANU YES. These changes are correct and our records have been updated.

Form OP-UA3

- Form OP-UA3 requires the following update for Unit ID X-J-15 for 40 CFR Part 60, Subpart Kb for SOP Index No. Kb60-01. On Table 3, the Unit Attribute code for Storage Vessel Description isn't required as the Maximum True Vapor Pressure (TVP) is 0.5-. Please review [Form OP-UA3 Instructions](#) and confirm if this change is correct. If so, please update Form OP-UA3 for the facility's records only. **This is correct, the UA code for Storage vessel description was removed for the unit associated with SOP Index No. 60Kb-01. Our records have been updated.**
- According to the effective permit, Group ID GRPTANK6 only has one unit associated with this group (Unit ID X-J-22). A single unit cannot be in a group by itself. Title V defines a group as a collective of two or more units that have the same operating scenarios across all applicable regulations. Please confirm if any other tanks are associated with Group ID GRPTANK6, otherwise I will remove this group from the facility's Title V permit and Unit ID X-J-22 will no longer be associated with any groups. **This is correct. X-J-22 can be converted to a single unit and GRPTANK6 can be deleted.**

Form OP-UA12

- The existing Unit Attribute code for Group ID GRPFUG requires updates for 30 TAC Chapter 115, Subchapter D, Division 3. On Form OP-UA12, Table 2a the existing Unit Attribute code No is no longer an available option for the 30 TAC § 115.352 Applicable question. I have data interpreted the new Unit Attribute code response as None which provides the same exact response as the previous Unit Attribute code of No. Please review [Form OP-UA12 Instructions](#) and confirm if this change is correct. If so, please update Form OP-UA12 for the facility's records only. **This is correct, our records have been updated.**

Form OP-UA13

- The existing Form OP-UA13 for Unit ID X-B-1 to document negative applicability to 40 CFR Part 63, Subpart Q was removed as the facility is not a major source of HAPS. Unit ID X-B-1 only had 40 CFR Part 63, Subpart Q documented on Form OP-UA13. As such, this Unit Attribute information was removed from our system. The permit shield for Unit ID X-B-1 to document negative applicability to 40 CFR Part 63, Subpart Q remains in the facility's Title V permit. Please let me know if you have any questions about this change for Unit ID X-B-1. **No questions. Thank you for making this update.**

Form OP-MON

- Unit ID X-J-15 flagged in our system as subject to Periodic Monitoring (PM) for 40 CFR Part 60 Subpart Kb. As such, please provide Form OP-MON for Unit ID X-J-15 (only for SOP Index No. 60Kb-03) for the monitoring of pollutant VOC, citation § 60.112b(a)(3)[G]. Possible PM Options Nos. that possibly best describe this operating scenario are PM-V-058 and PM-V-059. Please review [TCEQ Periodic Monitoring Guidance](#) on which pre-approved PM option Nos. are applicable for this unit. If the facility chooses to submit the PM requests as Case-by-Case, then technical justification must be provided. Technical justification is defined by TCEQ as emission calculations, manufacture's specifications, or anything to support the facility's deviation from the pre-approved PM Option Nos. Please provide all Periodic Monitoring on Form OP-MON. If technical justification is provided, then please attach as a separate attachment. **The Form OP-MON is completed and attached. Only Table 1a was required to be filled out for this addition. We have selected PM-V-006 and PM-V-053, are we required to have two PM options or is one sufficient?**

Form OP-PBR SUP

- On March 18, 2026, PBR Registration Nos. 108205 and 123667 were voided as they were consolidated into the facility's NSR Permit 18161. Please review Table A of Form OP-PBR SUP and determine if the units previously authorized by these PBR Registration Nos. are still authorized by PBRs 106.263 or 106.472. If so, please document those units on Tables B and D of Form OP-PBR SUP. Note: PBRs 106.261 and 106.262 cannot be documented on Table B as these PBRs must be registered. **All units associated with registration Nos. 108205 and 123667 have been removed. There are no other PBR registrations associated with these units. Please see the revised Form OP-PBR SUP attached.**
- If a unit has a Registered PBR number on Table A, then the registration number needs to be associated not the Version No./Date within the text box on Table D. Please update Table D on Form OP-PBR SUP to associate all units authorized by a PBR Registration number. Please send an updated Form OP-PBR SUP (All tables must be submitted together even if no changes are being made to Table C) with all the changes listed above. Please make sure that all Form OP-PBR SUP tables (Tables A-D) have an updated date on each table when sending the updated Form OP-PBR SUP back to TCEQ. Please review [Form OP-PBR SUP Instructions](#) on how to complete these changes. **Per Form OP-PBR SUP instructions it does not specify that PBR registration Nos. must be listed instead of Version No./Date.**

New Source Review Authorization Summary

I have attached the New Source Review Authorization Summary which identifies the Pre-Construction Authorizations for every unit associated with the Title V permit. I noticed several units are authorized by PBRs 106.261 and 106.262 but don't have an associated PBR Registration number on Form OP-PBRSUP (I have highlighted the units in question on this form). Please review the attached form and determine if any authorizations require updates. If updates are required, please document them on this form. For any units authorized by PBRs please make sure they're documented on the appropriate Table on Form OP-PBRSUP.

- Unit IDs associated with PBR Registration Nos. 108205 and 123667 have had their authorizations updated. Please see the updated NSR Authorization Summary attached with this email.
- PBR Registration numbers not previously included were added to the 106.261 and 106.262 authorizations and are highlighted. The numbers are listed in brackets and in respective order ex. [XXX, XXX].

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 No.:	Regulated Entity No.:	
04/23/2026	O1460	RN101613230	

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
DRYABCLN	45551	§106.452	6/8/2005
SURFCT	45551	§106.433	6/8/2005
TOTE1	157407	§106.472	5/5/2020
TOTE2	157407	§106.472	5/5/2020
X-A-2	157407, 162997	§106.472	5/5/2020, 11/6/2020
X-A-4	157407	§106.472	5/5/2020
X-A-6	157407, 162997	§106.472	5/5/2020, 11/6/2020
X-A-7	157407; 162997	§106.472	5/5/2020; 11/6/2020
X-A-8	157407	§106.472	5/5/2020
X-A-9	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-10	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-11	157407; 162997	§106.472	5/5/2020; 11/6/2020
X-A-13	162997	§106.472	11/6/2020
X-A-14	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-16	157407	§106.472	5/5/2020
X-A-17	162997	§106.472	11/6/2020
X-A-20	157407	§106.472	5/5/2020
X-D-1	157407	§106.261, §106.262	5/5/2020

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 No.:	Regulated Entity No.:
04/23/2026	O1460	RN101613230

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
X-G-1	157407	§106.472	5/5/2020
X-G-23	162997	§106.472	11/6/2020
X-G-31	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-G-37	150687	§106.472	3/21/2018
X-G-38	150687	§106.472	3/21/2018
X-G-39	150687	§106.472	3/21/2018
X-G-40	150687	§106.472	3/21/2018
X-GZ-0	150687	§106.261	3/21/2018
	156492; 157407; 160732; 162997	§106.261, §106.262	5/16/2019; 5/5/2020; 4/28/2020; 11/6/2020
	157474; 158512	§106.262	7/23/2019; 10/11/2019
X-GZ-2	157695	§106.261, §106.262	8/7/2019
X-GZ-3	157695; 162997	§106.261, §106.262; §106.261	8/7/2019; 11/6/2020
X-GZ-51	157695	§106.261, §106.262	8/7/2019
X-H-16	162997	§106.472	11/6/2020
X-H-17	162997	§106.472	11/6/2020

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 No.:	Regulated Entity No.:
04/23/2026	O1460	RN101613230

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
X-H-19	162997	§106.472	11/6/2020
X-H-20	162997	§106.472	11/6/2020
X-H-21	162997	§106.472	11/6/2020
X-I-12	157407	§106.261, §106.262	5/5/2020
X-I-13	157407	§106.261, §106.262	5/5/2020
X-J-12	157407	§106.472	5/5/2020
X-J-15	157407	§106.261, §106.262	5/5/2020
X-J-20	157407	§106.261, §106.262	5/5/2020

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
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date
D-1420	§106.264	09/04/2000
DEG1	§106.454	11/01/2001
DEG2	§106.454	11/01/2001
DIESEL1	§106.412	09/04/2000
GAS1	§106.412	09/04/2000
GEN1	§106.511	09/04/2000
HNDMCH	§106.265	09/04/2000
PORTTK	§106.473	09/04/2000
VACTRKS	§106.263	11/01/2001
X-D-1	§106.263	11/01/2001
X-G-36	§106.263	11/01/2001
X-I-6	§106.263	11/01/2001
X-I-2	§106.472	11/6/2020
X-I-9	§106.263	11/01/2001
X-I-12	§106.263	11/01/2001
X-I-13	§106.263	11/01/2001
X-J-15	§106.263	11/01/2001
X-J-16	§106.263	11/01/2001
X-J-17	§106.263	11/01/2001
X-J-18	§106.263	11/01/2001
X-J-19	§106.263	11/01/2001
X-J-20	§106.263	11/01/2001

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
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date
X-J-24	§106.263	11/01/2001
X-J-25	§106.263	11/01/2001
X-J-26	§106.263	11/01/2001
X-J-27	§106.263	11/01/2001
X-J-28	§106.263	11/01/2001
X-J-29	§106.263	11/01/2001
X-J-30	§106.263	11/01/2001
X-J-31	§106.263	11/01/2001
X-J-32	§106.263	11/01/2001
R-1228	§106.263	11/01/2001

Texas Commission On Environmental Quality

Date	Permit Number	Regulated Entity Number
04/23/2026	O1460	RN101613230

[illegible]

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
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
D-1420	§106.264	09/04/2000	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with §106.264(1)-(6)
DEG1	§106.454	11/01/2001	Maintain records of solvent type(s) and total solvent makeup (gross usage minus waste disposal) on monthly basis.
DEG2	§106.454	11/01/2001	Maintain records of solvent type(s) and total solvent makeup (gross usage minus waste disposal) on monthly basis.
DIESEL1	§106.412	09/04/2000	Maintain records of materials stored and dispensed.
DRYABCLN	§106.452	09/04/2000	The facility will maintain records for outside blast cleaning, including abrasive material usage and operating hours, in accordance with 30 TAC §106.452(2).
GAS1	§106.412	09/04/2000	Maintain records of materials stored and dispensed.
GEN1	§106.511	09/04/2000	Maintain records showing that the engine is used only for portable, emergency, and/or standby services, and that annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
HNDMCH	§106.265	09/04/2000	Maintain a list of types of hand-held or manually operated equipment used onsite, such as impact drills, reciprocating saws, powered hand tools, etc.
PORTTK	§106.473	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored and loading rates.
SURFCT	§106.433	09/04/2000	Maintain the following records in accordance with 30 TAC §106.433(8) for the most recent 24 -month period: (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 operation; (c) a monthly report that of actual hours of operation each day, and emissions from each operation; and (d) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.
TOTE1	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.

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
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TOTE2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
VACTRKS	§106.263	11/01/2001	Maintain monthly records of vacuum truck Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-A-2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-4	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-6	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-7	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-8	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-9	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-10	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-11	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-13	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-14	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-16	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-17	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-D-1	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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Table D: Monitoring Requirements for Registered and Claimed PBRs for the Application Area
Texas Commission On Environmental Quality

Date	Permit Number	Regulated Entity Number
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-D-1	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-D-1	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-G-1	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-23	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-31	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-35	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-36	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-G-37	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-38	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-39	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-40	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-GZ-0	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-0	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)

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Table D: Monitoring Requirements for Registered and Claimed PBRs for the Application Area
Texas Commission On Environmental Quality

Date	Permit Number	Regulated Entity Number
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-GZ-2	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-2	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-GZ-3	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-3	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-GZ-51	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-51	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-H-16	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-17	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-19	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-21	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-I-6	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-9	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-12	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-I-12	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)

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
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-I-12	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-13	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-I-13	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-I-13	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-12	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-J-15	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-J-15	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-J-15	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-16	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-17	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-18	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

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
04/23/2026	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
X-J-19	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-20	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-J-20	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-J-20	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 1)
Federal Operating Permit Program
Table 1a: CAM/PM Additions

I. Identifying Information		
Account No.: HG-6831-P	RN No.: RN101613230	CN: CN604980136
Permit No.: O1460	Project No.: P3399	
Area Name: Houston Lube and Fuel Additives Plant		
Company Name: Afton Chemical Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 13		
Unit/EPN/Group/Process ID No.: X-J-15		
Applicable Form: OP-UA3		
III. Applicable Regulatory Requirement		
Name: 40 CFR Part 60 Subpart Kb		
SOP/GOP Index No.: 60Kb-03		
Pollutant: VOC		
Main Standard: 60.112b(a)(3)[G]		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-V-006		
Deviation Limit: Minimum Net Heating Value = 300 Btu/scf		
CAM/PM Option No.: PM-V-053		
Deviation Limit: Daily visible emissions monitoring		
V. Control Device Information		
Control Device ID No.: X-D-1		
Control Device Type: FLARE		

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
ADDITPLANT	ADDITIONAL PLANT PROCESS REQUIREMENTS	18161
C-1401	PROCESS VESSEL VENT	18161
C-1407	PROCESS VESSEL VENT	18161
C-1423	PROCESS VESSEL VENT	18161
C-1424	PROCESS VESSEL VENT	18161
C-1602	PROCESS VESSEL VENT	18161
D-1150	PROCESS VESSEL VENT	18161
D-1212	PROCESS VESSEL VENT	18161
D-1420	PROCESS VESSEL VENT	18161, 106.264/09/04/2000
D-1613	PROCESS VESSEL VENT	18161
D-1624	PROCESS VESSEL VENT	18161
D-1625	PROCESS VESSEL VENT	18161
DEG1	DEGREASER 1	106.454/11/01/2001
DEG2	DEGREASER 2	106.454/11/01/2001
DIESEL1	DIESEL TANK	106.412/09/04/2000
GAS1	GASOLINE TANK	106.412/09/04/2000
GEN1	DIESEL ENGINE	106.511/09/04/2000
PORTTK	PORTABLE FUEL TANK	106.473/09/04/2000
R-1112	PROCESS VESSEL VENT	18161
R-1120	PROCESS VESSEL VENT	18161
R-1150	PROCESS VESSEL VENT	18161
R-1210	PROCESS VESSEL VENT	18161

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
R-1214	PROCESS VESSEL VENT	18161
R-1228	PROCESS VESSEL VENT	18161, 106.263/11/01/2001
TOTE1	TOTE TO-1362	106.472/09/04/2000 [157407]
TOTE2	TOTE TO-1363	106.472/09/04/2000 [157407]
TOTE3	TOTE TO-1364	106.472/09/04/2000
TOTE4	TOTE TO-1365	106.472/09/04/2000
X-A-0	LOAD SPOT 26	18161
X-A-1	LOAD SPOT 27	18161
X-A-10	LOAD SPOT 36	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]
X-A-11	LOAD SPOT 37	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]
X-A-12	LOAD SPOT 32	18161
X-A-13	LOAD SPOT 43	18161, 106.472/09/04/2000 [162997]
X-A-14	LOAD SPOT 44	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]
X-A-15	LOAD SPOT 51	18161
X-A-16	LOAD SPOT 59	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407]
X-A-17	LOAD SPOT 40	18161, 106.472/09/04/2000 [162997]
X-A-18	LOAD SPOT 54	18161
X-A-19	LOAD SPOT 56	18161
X-A-2	LOAD SPOT 34	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]

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
X-A-20	LOAD SPOT 29	18161, 106.472/09/04/2000 [157407]
X-A-25	LOAD SPOT 25	18161
X-A-27	LOAD SPOT 30	18161
X-A-28	LOAD SPOT 60	18161
X-A-29	LOAD SPOT 41	18161
X-A-4	LOAD SPOT 45	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407]
X-A-5	LOAD SPOT 33	18161
X-A-6	LOAD SPOT 57	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]
X-A-7	LOAD SPOT 58	18161, 106.472/09/04/2000 [157407, 162997]
X-A-8	LOAD SPOT 70	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407]
X-A-9	LOAD SPOT 35	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]
X-B-1	COOLING TOWER Y-1601A	18161
X-C-1	HOT OIL FURNACE E-1614	18161
X-D-1	FLARE	18161, 106.261/11/01/2003 [157407], 106.262/11/01/2003 [157407], 106.263/11/01/2001
X-E-1	SCRUBBER C-1120	18161
X-E-3	SCRUBBER C-1429	18161
X-E-4	SCRUBBER C-1138	18161
X-G-0	TANK T-1103	18161
X-G-1	TANK T-1105	18161, 106.261/11/01/2003, 106.262/11/01/2003,

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
		106.472/09/04/2000 [157407]
X-G-11	TANK T-1102	18161
X-G-12	TANK T-1301	18161
X-G-13	TANK T-1311A	18161
X-G-14	TANK T-1311B	18161
X-G-15	TANK T-1311C	18161
X-G-16	TANK T-1305	18161
X-G-17	TANK T-1311D	18161
X-G-18	TANK T-1314	18161
X-G-19	TANK T-1317	18161
X-G-20	TANK T-1309	18161
X-G-21	TANK T-1310	18161
X-G-22	TANK T-1334	18161
X-G-23	TANK T-1335	18161, 106.472/09/04/2000 [162997]
X-G-24	TANK T-1315	18161
X-G-25	TANK T-1316	18161
X-G-26	TANK T-1336	18161
X-G-28	TANK T-1154	18161
X-G-29	TANK T-1171	18161
X-G-3	TANK T-1162A	18161
X-G-31	TANK T-1354	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407, 162997]
X-G-32	TANK T-1390	18161

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
X-G-34	POWDER HANDLING SYSTEM (PTS-1)	18161
X-G-35	MALEIC ANHYDRIDE (MAH) TANK T-1137	18161
X-G-36	TANK T-1471	18161, 106.263/11/01/2001, 106.472/09/04/2000
X-G-37	TANK T-1174	18161, 106.472/09/04/2000 [150687]
X-G-38	TANK T-1175	18161, 106.472/09/04/2000 [150687]
X-G-39	TANK T-1176	18161, 106.472/09/04/2000 [150687]
X-G-4	TANK T-1161	18161
X-G-5	TANK T-1160	18161
X-G-6	TANK T-1162B	18161
X-G-7	TANK T-1322	18161
X-G-8	TANK T-1313	18161
X-G-9	TANK T-1380	18161
X-GZ-0	PROCESS AREA FUGITIVES	18161, 106.261/11/01/2003 [150687, 156492, 157407, 160732, 162997], 106.262/11/01/2003 [156492, 157407, 160732, 162997, 157474, 158512]
X-GZ-2	HEATED RAILCARS	106.261/11/01/2003 [157695], 106.262/11/01/2003 [157695]
X-GZ-3	HOT BOXES	106.261/11/01/2003 [157695, 162997], 106.262/11/01/2003 [157695]
X-GZ-51	DRAINS AND SEWERS	106.261/11/01/2003 [157695], 106.262/11/01/2003 [157695]
X-H-0	TANK T-1341	18161
X-H-1	TANK T-1343	18161

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
X-H-11	TANK T-1325	18161
X-H-12	TANK T-1326	18161
X-H-13	TANK T-1358	18161
X-H-14	TANK T-1359	18161
X-H-16	TANK T-1355	18161, 106.472/09/04/2000 [162997]
X-H-17	TANK T-1356	18161, 106.472/09/04/2000 [162997]
X-H-18	TANK T-1357	18161
X-H-19	TANK T-1373	106.472/09/04/2000 [162997]
X-H-2	TANK T-1345	18161
X-H-20	TANK T-1374	106.472/09/04/2000 [162997]
X-H-21	TANK T-1375	106.472/09/04/2000 [162997]
X-H-3	TANK T-1346	18161
X-H-4	TANK T-1330A	18161
X-H-5	TANK T-1330B	18161
X-H-6	TANK T-1321	18161
X-H-7	TANK T-1349	18161
X-H-8	TANK T-1347	18161
X-H-9	TANK T-1312	18161
X-I-0	TANK T-1360A	18161
X-I-1	TANK T-1360B	18161
X-I-12	TANK D-1610B	18161, 106.261/11/01/2003 [157407], 106.262/11/01/2003 [157407], 106.263/11/01/2001, 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
X-I-13	TANK T-1601	18161, 106.261/11/01/2003 [157407], 106.262/11/01/2003 [157407], 106.263/11/01/2001, 106.472/09/04/2000
X-I-14	TANK-T-1606	18161
X-I-15	TANK T-1612	18161
X-I-16	TANK T-1628	18161
X-I-2	TANK T-1360C	18161
X-I-5	TANK T-1140	18161
X-I-6	PRESS TANK D-1604	18161, 106.263/11/01/2001
X-I-7	TANK T-1603	18161
X-I-8	TANK T-1340	18161
X-I-9	TANK D-1126	18161, 106.263/11/01/2001
X-J-1	TANK T-1401	18161
X-J-10	TANK T-1412	18161
X-J-11	TANK T-1413	18161
X-J-12	TANK T-1414	18161, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000 [157407]
X-J-13	TANK T-1416	18161
X-J-14	TANK T-1417	18161
X-J-15	TANK T-1203	18161, 106.261/11/01/2003 [157407], 106.262/11/01/2003 [157407], 106.263/11/01/2001, 106.472/09/04/2000
X-J-16	TANK T-1204	18161, 106.263/11/01/2001
X-J-17	TANK T-1251	18161, 106.263/11/01/2001

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
X-J-18	TANK T-1215A	18161, 106.263/11/01/2001
X-J-19	TANK T-1216A	18161, 106.263/11/01/2001
X-J-2	TANK T-1402	18161
X-J-20	TANK T-1217	18161, 10.261/11/01/2003 [157407], 106.262/11/01/2003 [157407], 106.263/11/01/2001, 106.472/09/04/2000
X-J-22	TANK D-1242	18161
X-J-24	TANK T-1222	18161, 106.263/11/01/2001
X-J-25	TANK T-1223	18161, 106.263/11/01/2001
X-J-26	TANK T-1224	18161, 106.263/11/01/2001
X-J-27	TANK T-1225	18161, 106.263/11/01/2001
X-J-28	TANK T-1226	18161, 106.263/11/01/2001
X-J-29	TANK T-1227	18161, 106.263/11/01/2001
X-J-3	TANK T-1415	18161
X-J-30	TANK T-1231	18161, 106.263/11/01/2001
X-J-31	TANK T-1211	18161, 106.263/11/01/2001
X-J-32	TANK T-1212	18161
X-J-4	TANK T-1404	18161
X-J-5	TANK T-1405	18161
X-J-6	TANK T-1445	18161
X-J-8	TANK T-1409	18161
X-J-9	TANK T-1411	18161
X-PD-4	TANK D-1124	18161

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
X-WT-4	TANK T-1604	18161
X-WT-5	TANK T-1605	18161
X-WT-7	TANK T-1607	18161

Ryan Glaze

From: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Sent: Monday, March 30, 2026 2:34 PM
To: Ryan Glaze
Cc: Heins, Ethan
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Thank you Mr. Glaze!

From: Ryan Glaze <James.Glaze@tceq.texas.gov>
Sent: Monday, March 30, 2026 2:30 PM
To: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Cc: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Good afternoon,

Thank you for the clarification. I'm currently reviewing the SOP-Renewal application received on 11/09/2023 and the changes the previous reviewer made for this project.

My current goal is to response by next week (April 6-10) or the week after that (April 13-17, at the latest) with any additional updates that I will need to continue my review.

In the meantime, please let me know if you have any questions.

Thanks,

Ryan Glaze

Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087 MC 163
Austin, TX, 78711
(512) 239-6212



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

From: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Sent: Monday, March 30, 2026 2:24 PM
To: Ryan Glaze <James.Glaze@tceq.texas.gov>
Cc: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Subject: RE: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

Hi Ryan,

I received your email. Thank you for reaching out!

As discussed on the phone, both Afton and Newmarket email should work.

Ethan Heins is our site air environmental specialist

Please let me or Ethan know if you need any more information.

Regards
Maryam Shekari
EHS Manager
713-740-8340

From: Ryan Glaze <James.Glaze@tceq.texas.gov>
Sent: Monday, March 30, 2026 8:37 AM
To: Shekari, Maryam <Maryam.Shekari@AftonChemical.com>
Cc: Heins, Ethan <Ethan.Heins@AftonChemical.com>
Subject: Technical Review -- FOP O1460/Project 35973, Afton Chemical Company/Houston Lube and Fuel Additives Plant

----- EXTERNAL EMAIL -----

This email originated from outside of your organization. Do not click links or open attachments unless you recognize the source of this email and know the content is safe. If unsure report it to IT ServiceDesk.

Good morning,

I have been reassigned as the permit reviewer to Permit No. O1460 for Afton Chemical Company, Houston Lube and Fuel Additives Plant, Project No. 35973. Please contact me going forward with all updates/questions as Mark McDonald is no longer the assigned permit reviewer for this project.

As I familiarize myself with this project, I will be making any previous updates to this project that were requested when Mark McDonald was the permit reviewer. I will be in contact soon with updates/questions pertaining to this project.

If you have any questions in the meantime, please feel free to reach out and ask.

Thanks,

Ryan Glaze
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087 MC 163
Austin, TX, 78711
(512) 239-6212



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

Emails & contact numbers:

Maryam Shekari

Phone: (713) 740-8340

maryam.shekari@aftonchemical.com

Ethan Heins

Ethan.Heins@AftonChemical.com

Subject Line:

Technical Review -- FOP O1460 / Project 35973, Afton Chemical Corporation / Houston Lube and Fuel Additives Plant.

Message Body:

Maryam Shekari:

I have been recently assigned to the Federal Operating Permit (FOP) Renewal permit application of Permit No. O1460 for Afton Chemical Corporation / Houston Lube and Fuel Additives Plant. This application has been assigned Project No. 35973. Please address all correspondence pertaining to this permit application, including any updates, to me via email and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:

- a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
- b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
- c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
- d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

Sincerely,
Mark

Mark McDonald
Operating Permits Section
Air Permits Division, Office of Air,
Texas Commission on Environmental Quality (TCEQ)
(512) 239-1357
mark.mcdonald@tceq.texas.gov



[How is our customer service?](#)

From: eNotice TCEQ
Sent: Thursday, November 16, 2023 8:29 PM
To: carol.alvarado@senate.texas.gov; Jaime.Villarreal@senate.texas.gov;
Maryann.perez@house.texas.gov
Subject: TCEQ Notice - Permit Number O1460
Attachments: TCEQ Notice - O1460_35973.pdf

This email is being sent to electronically transmit an official document issued by the Office of Air of the Texas Commission on Environmental Quality.

This email is being sent to you because either (a) you filed a document with the Office of the Chief Clerk that made you part of the official mailing list for the above referenced matter, or (b) notice to you is legally required. As authorized by Texas Water Code 5.128, this electronic transmittal is replacing the previous practice of hard copy distribution. Amendments to Texas Government Code 552.137 prompted a change to the agency's privacy policy regarding confidentiality of certain email addresses. The revised privacy policy can be viewed at http://www.tceq.state.tx.us/help/policies/electronic_info_policy.html.

Questions regarding this email may be submitted either by replying directly to this email or by calling Mr. Jesse Chacon, P.E. with the Air Permits Division at (512) 239-5759.

The attached document is provided in an Adobe Acrobat .pdf format. If you cannot display the attachment, you may need to visit the Adobe web site (<http://get.adobe.com/reader>) to download the free Adobe Acrobat Reader software.

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 16, 2023

THE HONORABLE CAROL ALVARADO
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 35973
Permit Number: O1460
Afton Chemical Corporation
Houston Lube And Fuel Additives Plant
Pasadena, Harris County
Regulated Entity Number: RN101613230
Customer Reference Number: CN604980136

Dear Senator Alvarado:

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. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.171388,29.734444&level=13>.

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.

The Honorable Carol Alvarado
Page 2
November 16, 2023

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,

A handwritten signature in black ink, appearing to read "Samuel Short", followed by a long horizontal line extending to the right.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Kelly Keel, *Interim Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 16, 2023

THE HONORABLE MARY ANN PEREZ
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 35973
Permit Number: O1460
Afton Chemical Corporation
Houston Lube And Fuel Additives Plant
Pasadena, Harris County
Regulated Entity Number: RN101613230
Customer Reference Number: CN604980136

Dear Representative Perez:

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. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.171388,29.734444&level=13>.

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,

A handwritten signature in black ink, appearing to read "Samuel Short", followed by a long horizontal line.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

From: Johnny Bowers
Sent: Friday, November 10, 2023 8:34 AM
To: Miguel Gallegos
Subject: FW: STEERS Title V Application Submittal (New Application)

Please process. Thanks!

-----Original Message-----

From: steers@tceq.texas.gov <steers@tceq.texas.gov>
Sent: Thursday, November 9, 2023 3:12 PM
To: RFCAIR12 <RFCAIR12@tceq.texas.gov>; air_permits@pcs.hctx.net; modaniel@ci.pasadena.tx.us; TVAPPS <tvapps@tceq.texas.gov>
Subject: STEERS Title V Application Submittal (New Application)

The TV-E application has been successfully submitted by RYAN PANNELL. The submittal was received at 11/09/2023 03:11 PM.

The Reference number for this submittal is 603580

The confirmation number for this submittal is 499571.

The Area ID for this submittal is 1460.

The Project ID for this submittal is 35973.

The hash code for this submittal is 21F19E1E390528EC5F2DCA2A2612624DEBBA7DEAC3FAB4250A1B152566918503.

You may access the original application submittal and the notice of final action documents from the COR Viewer which is available at <https://ida.tceq.texas.gov/steersstaff/index.cfm?fuseaction=openadmin.submitlog&newsearch=yes>.

If you have any questions, please contact the STEERS Help Line at 512-239-6925 or by e-mail at steers@tceq.texas.gov.

Texas Commission on Environmental Quality

Title V Existing

1460

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LUBE AND FUEL ADDITIVES PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1000 N SOUTH ST
City	PASADENA
State	TX
ZIP	77503
County	HARRIS
Latitude (N) (##.#####)	29.734444
Longitude (W) (-###.#####)	95.171388
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101613230
What is the name of the Regulated Entity (RE)?	AFTON LUBE AND FUEL ADDITIVES PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1000 N SOUTH ST
City	PASADENA
State	TX
ZIP	77503
County	HARRIS
Latitude (N) (##.#####)	29.733333
Longitude (W) (-###.#####)	-95.166666
Facility NAICS Code	
What is the primary business of this entity?	PRODUCER OF FUEL AND LUBE OIL ADDITIVES

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN604980136
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	AFTON CHEMICAL CORPORATION
Texas SOS Filing Number	3069806
Federal Tax ID	
State Franchise Tax ID	14309250885

State Sales Tax ID	
Local Tax ID	
DUNS Number	53969234
Number of Employees	501+
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	AFTON CHEMICAL CORPORATION
Prefix	MR
First	RYAN
Middle	
Last	PANNELL
Suffix	
Credentials	
Title	VP MANUFACTURING
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	512 RUDDER RD
Routing (such as Mail Code, Dept., or Attn:)	
City	FENTON
State	MO
ZIP	63026
Phone (###-###-####)	6364920960
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Ryan.Pannell@AftonChemical.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	AFTON CHEMICAL CORPORATION
Prefix	MR
First	HARI
Middle	
Last	SUNDARAM
Suffix	
Credentials	
Title	PLANT MANAGER
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	1000 N SOUTH ST
Routing (such as Mail Code, Dept., or Attn:)	
City	PASADENA
State	TX
Zip	77503
Phone (###-###-####)	7137408418
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Hari.Sundaram@AftonChemical.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

Mailing Address (include Suite or Bldg. here, if applicable)

Routing (such as Mail Code, Dept., or Attn:)

City

State

ZIP

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

New Contact

Afton Chemical

MR

Ethan

Heins

Sr. EHS Analyst

Domestic

1000 N SOUTH ST

PASADENA

TX

77503

7137408428

ethan.heins@aftonchemical.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 44 Min 4 Sec
3) Permit Longitude Coordinate:	95 Deg 10 Min 17 Sec
4) Is this submittal a new application or an update to an existing application?	New Application
4.1. What type of permitting action are you applying for?	Renewal
4.1.1. Are there any permits that should be voided upon issuance of this permit application	No

through permit conversion?

4.1.2. Are there any permits that should be voided upon issuance of this permit application through permit consolidation?

No

5) Who will electronically sign this Title V application?

Duly Authorized Representative

6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name

OP_1_a - op-1 (2023-11-08).pdf

Hash

550DCB990F265F0F7B42433A61331B68A07E2F01B085786F0F08A4E1BB56026B

MIME-Type

application/pdf

Attach OP-2 (Application for Permit Revision/Renewal)

[File Properties]

File Name

OP_2_b - op-2 (2023-11-09).pdf

Hash

64211FBD5643704538CDD1739DD7DB125DE35A9CCEA1B1BC7749B0C65768D2E1

MIME-Type

application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name

OP_ACPS_i - op-acps pt 1 (2023-11-08).pdf

Hash

9AAA3D01461979D2B2A327439C2A1AD60F4991482C055F8254EEC9002CA1BDA3

MIME-Type

application/pdf

Attach OP-REQ1 (Application Area-Wide Applicability Determinations and General Information)

[File Properties]

File Name

OP_REQ1_f - op-req1 (2023-11-08).pdf

Hash

389C579B08132AC3A998D92552E2BF436F8C0432B5C81F411A81DA075451D72E

MIME-Type

application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name

OP_REQ2_g - op-req2 (2023-11-08).pdf

Hash

5E659731DE2DABAD4E4E8933F78135D181DF0A3F34CB6F20E7FD8C3BE5CACDC9

MIME-Type

application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name	OP_REQ3_h - op-req3 (2023-11-08).pdf
Hash	1D52B57CA5ED1DF6C7ACF74D2496D73B82EC4C783D301821C17E60188478B2CE
MIME-Type	application/pdf
Attach OP-PBRSUP (Permits by Rule Supplemental Table)	
[File Properties]	
File Name	OP_PBRSUP_j - op-pbrsub (2023-11-08).pdf
Hash	1E6B30BEFBBEE2A5BC26C72AE481E0A8562D8F16F97830CEE260F237F265F5EC
MIME-Type	application/pdf
Attach OP-SUMR (Individual Unit Summary for Revisions)	
[File Properties]	
File Name	OP_SUMR_d - op-sumr (2023-11-09).pdf
Hash	FF5B398061DDBE1C18F56732CBB617381DEC5477F13A7DA9C08BE31F47920BCB
MIME-Type	application/pdf
Attach OP-MON (Monitoring Requirements)	
Attach OP-UA (Unit Attribute) Forms	
[File Properties]	
File Name	e1 - op-ua2-2 63ZZZZ (2023-11-08).pdf
Hash	B930059F4AE4B41522F1F363F44AF16DD1E629F3D56F721B533B369CA35B75FA
MIME-Type	application/pdf
[File Properties]	
File Name	e2 - op-ua2-5 60IIII (2023-11-08).pdf
Hash	BFBCB6C03A3137F0F02F587001468D65B887D3533E3B49D097F2FFA93F70D42A
MIME-Type	application/pdf
[File Properties]	
File Name	e3 - op-ua3-3 60Kb (2023-11-08).pdf
Hash	B6C1C20F50B0889EA47101D0B005F31FFFFC3E3044C6A4857AE8E5C97931217A
MIME-Type	application/pdf
[File Properties]	
File Name	e4 - op-ua3-4 R5 (2023-11-08).pdf
Hash	B3BE09D71F7A18735249FD833BE61C3D3DD80FA602286E4C1C15A70D068C14E9
MIME-Type	application/pdf

If applicable, attach OP-AR1 (Acid Rain Permit Application)

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

Application Text - Afton O1460 Renewal (Final).docx

Hash

158B0009CD58432A65C689BE357F8E6105F90C0B5DABAEEDB6F7672E6100552D

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

[File Properties]

File Name

Cover Ltr TCEQ - Afton O1460 Renewal Signed.pdf

Hash

A08469D6CF8858AB23353433C45FF0FCEA5276A3A28AD37DA474FF093C282D23

MIME-Type

application/pdf

An additional space to attach any other necessary information needed to complete the permit.

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?

No

Certification

I certify that I am the Duly Authorized Representative 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.

1. I am Hari Prashanth Sundaram, the owner of the STEERS account ER068448.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V Existing 1460.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Hari Prashanth Sundaram OWNER OPERATOR

Account Number:

ER068448

Signature IP Address:

12.227.74.122

Signature Date:

2023-11-09

Signature Hash:

EB4B82E8A9A80563117269AACF5CFACECAC5CB94FD7F0DF70F9FA77F63B35FCB

Form Hash Code at
time of Signature:

21F19E1E390528EC5F2DCA2A2612624DEBBA7DEAC3FAB4250A1B152566918503

Submission

Reference Number:

The application reference number is 603580

Submitted by:

The application was submitted by
ER068448/Hari Prashanth Sundaram

Submitted Timestamp:

The application was submitted on 2023-11-09
at 15:11:50 CST

Submitted From:

The application was submitted from IP address
12.227.74.122

Confirmation Number:

The confirmation number is 499571

Steers Version:

The STEERS version is 6.70

Permit Number:

The permit number is 1460

Additional Information

Application Creator: This account was created by Ethan M Heins

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 No.:	Regulated Entity No.:	
11/08/2023	O1460	RN101613230	

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
DRYABCLN	45551	§106.452	6/8/2005
NAHS-MSS	108205	§106.263	4/18/2013
SURFCT	45551	§106.433	6/8/2005
TOTE1	157407	§106.472	5/5/2020
TOTE2	157407	§106.472	5/5/2020
X-A-2	157407, 162997	§106.472	5/5/2020, 11/6/2020
X-A-4	157407	§106.472	5/5/2020
X-A-6	157407, 162997	§106.472	5/5/2020, 11/6/2020
X-A-7	157407; 162997	§106.472	5/5/2020; 11/6/2020
X-A-8	157407	§106.472	5/5/2020
X-A-9	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-10	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-11	157407; 162997	§106.472	5/5/2020; 11/6/2020
X-A-13	162997	§106.472	11/6/2020
X-A-14	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-A-16	157407	§106.472	5/5/2020
X-A-17	162997	§106.472	11/6/2020
X-A-20	157407	§106.472	5/5/2020
X-D-1	157407	§106.261, §106.262	5/5/2020

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 No.:	Regulated Entity No.:	
11/08/2023	O1460	RN101613230	

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
X-E-4	123667	§106.262	10/22/2014
X-G-1	157407	§106.472	5/5/2020
X-G-23	162997	§106.472	11/6/2020
X-G-31	157407; 162997	§106.472	5/5/2020, 11/6/2020
X-G-34	108205	§106.261	1/28/2015
X-G-35	123667	§106.472	10/22/2014
X-G-37	150687	§106.472	3/21/2018
X-G-38	150687	§106.472	3/21/2018
X-G-39	150687	§106.472	3/21/2018
X-G-40	150687	§106.472	3/21/2018
X-GZ-0	108205; 150687	§106.261	1/28/2015; 3/21/2018
	156492; 157407; 160732; 162997	§106.261, §106.262	5/16/2019; 5/5/2020; 4/28/2020; 11/6/2020
	157474; 158512	§106.262	7/23/2019; 10/11/2019
X-GZ-2	157695	§106.261, §106.262	8/7/2019
X-GZ-3	157695; 162997	§106.261, §106.262; §106.261	8/7/2019; 11/6/2020
X-GZ-51	157695	§106.261, §106.262	8/7/2019
X-H-16	162997	§106.472	11/6/2020
X-H-17	162997	§106.472	11/6/2020

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 No.:	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit ID No.	Registration No(s).	PBR No(s).	Registration Date(s)
X-H-19	162997	§106.472	11/6/2020
X-H-20	162997	§106.472	11/6/2020
X-H-21	162997	§106.472	11/6/2020
X-I-12	157407	§106.261, §106.262	5/5/2020
X-I-13	157407	§106.261, §106.262	5/5/2020
X-J-12	157407	§106.472	5/5/2020
X-J-15	157407	§106.261, §106.262	5/5/2020
X-J-20	157407	§106.261, §106.262	5/5/2020

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date
D-1420	§106.264	09/04/2000
DEG1	§106.454	11/01/2001
DEG2	§106.454	11/01/2001
DIESEL1	§106.412	09/04/2000
GAS1	§106.412	09/04/2000
GEN1	§106.511	09/04/2000
HNDMCH	§106.265	09/04/2000
PORTTK	§106.473	09/04/2000
VACTRKS	§106.263	11/01/2001
X-D-1	§106.263	11/01/2001
X-G-36	§106.263	11/01/2001
X-I-6	§106.263	11/01/2001
X-I-9	§106.263	11/01/2001
X-I-12	§106.263	11/01/2001
X-I-13	§106.263	11/01/2001
X-J-15	§106.263	11/01/2001
X-J-16	§106.263	11/01/2001
X-J-17	§106.263	11/01/2001
X-J-18	§106.263	11/01/2001
X-J-19	§106.263	11/01/2001
X-J-20	§106.263	11/01/2001

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date
X-J-24	§106.263	11/01/2001
X-J-25	§106.263	11/01/2001
X-J-26	§106.263	11/01/2001
X-J-27	§106.263	11/01/2001
X-J-28	§106.263	11/01/2001
X-J-29	§106.263	11/01/2001
X-J-30	§106.263	11/01/2001
X-J-31	§106.263	11/01/2001
X-J-32	§106.263	11/01/2001
R-1228	§106.263	11/01/2001

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

Date	Permit Number	Regulated Entity Number
11/08/2023	O1460	RN101613230

[illegible]

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
D-1420	§106.264	09/04/2000	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with §106.264(1)-(6)
DEG1	§106.454	11/01/2001	Maintain records of solvent type(s) and total solvent makeup (gross usage minus waste disposal) on monthly basis.
DEG2	§106.454	11/01/2001	Maintain records of solvent type(s) and total solvent makeup (gross usage minus waste disposal) on monthly basis.
DIESEL1	§106.412	09/04/2000	Maintain records of materials stored and dispensed.
DRYABCLN	§106.452	09/04/2000	The facility will maintain records for outside blast cleaning, including abrasive material usage and operating hours, in accordance with 30 TAC §106.452(2).
GAS1	§106.412	09/04/2000	Maintain records of materials stored and dispensed.
GEN1	§106.511	09/04/2000	Maintain records showing that the engine is used only for portable, emergency, and/or standby services, and that annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
HNDMCH	§106.265	09/04/2000	Maintain a list of types of hand-held or manually operated equipment used onsite, such as impact drills, reciprocating saws, powered hand tools, etc.
PORTTK	§106.473	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored and loading rates.
NAHS-MSS	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities related to the naphthalic anhydride handling system, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
SURFCT	§106.433	09/04/2000	Maintain the following records in accordance with 30 TAC §106.433(8) for the most recent 24 -month period: (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 operation; (c) a monthly report that of actual hours of operation each day, and emissions from each operation; and (d) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.
TOTE1	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
TOTE2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
VACTRKS	§106.263	11/01/2001	Maintain monthly records of vacuum truck Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-A-2	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-4	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-6	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-7	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-8	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-9	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-10	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-11	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-13	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-14	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-16	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-17	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-A-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-D-1	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
X-D-1	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-D-1	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-E-4	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-G-1	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-23	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-31	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-34	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-G-35	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-36	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-G-37	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-38	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-39	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-G-40	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-GZ-0	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-0	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
X-GZ-2	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-2	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-GZ-3	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-3	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-GZ-51	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-GZ-51	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-H-16	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-17	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-19	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-20	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-H-21	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-I-6	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-9	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-12	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-I-12	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)

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
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
X-I-12	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-I-13	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-I-13	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-I-13	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-12	§106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
X-J-15	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-J-15	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-J-15	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-16	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-17	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-18	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

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Table D: Monitoring Requirements for Registered and Claimed PBRs for the Application Area
Texas Commission On Environmental Quality

Date	Permit Number	Regulated Entity Number
11/08/2023	O1460	RN101613230

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
X-J-19	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.
X-J-20	§106.261	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
X-J-20	§106.262	11/01/2003	Maintain records in accordance with 30 TAC §106.8(c) and demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2)
X-J-20	§106.263	11/01/2001	Maintain records of Maintenance, Start-up, and Shutdown (MSS) activities, including descriptions of each operation, the reason for the activity, processes and equipment involved, the date, time, and duration of the activity, and the type and amounts of air contaminants emitted.

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 11/08/2023	Regulated Entity No.: RN101613230	Permit No.: O1460
Company Name: Afton Chemical Corporation		Area Name: <u>Houston</u> Lube and Fuel Additives Plant

- 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 <i>Responsible Official</i> 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. <i>(For reference only)</i>	N/A
* 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.	

**Applicable Requirements Summary
Form OP-REQ3 (Pages 1 & 2)
Federal Operating Permit Program**

Table 1a & 1b: Additions

Date: 11/08/2023			Regulated Entity No.: RN101613230			Permit No.: O1460			
Company Name: Afton Chemical Corporation					Area Name: Houston Lube and Fuel Additives Plant				
Revision No.	Unit/Group/Process		SOP/GOP Index	Pollutant	Applicable Regulatory Requirements		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	ID No.	Applicable Form			Name	Standard(s)			
6, 13	X-J-15	OP-UA3	60Kb-02	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e) §60.116b(e)(1) [G] §60.116b(e)(3)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
6, 13	X-J-15	OP-UA3	60Kb-03	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(3) §60.18	§60.113b(d) §60.116b(a)-(b) [G] §60.485(b) §60.116b(e) §60.116b(e)(1) [G] §60.116b(e)(3)	§60.115b §60.115b(d) §60.115b(d)(2) §60.116b(a)-(b)	§60.115b §60.115b(d) §60.115b(d)(1) §60.115b(d)(3)
6, 13	X-J-15	OP-UA3	R5112-01	VOC	30 TAC Chapter 115, Subchapter B, Div. 1	§115.111(a)(1)	[G] §115.117	§115.118(a)(1) §115.118(a)(5) §115.118(a)(6) §115.118(a)(6)(A) §115.118(a)(7)	None
6, 13	X-J-15	OP-UA3	R5112-02	VOC	30 TAC Chapter 115, Subchapter B, Div. 1	§115.111(a)(1)	[G] §115.117	§115.118(a)(1) §115.118(a)(5) §115.118(a)(6) §115.118(a)(6)(A) §115.118(a)(7)	None
6, 13	X-J-15	OP-UA3	R5112-03	VOC	30 TAC Chapter 115, Subchapter B, Div. 1	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(C) §60.18	§115.115(a) §115.115(a)(6) §115.115(a)(6)(2) [G] §115.117	§115.118(a)(4) §115.118(a)(4)(F) §115.118(a)(5) §115.118(a)(7)	None

**Applicable Requirements Summary
Form OP-REQ3 (Pages 1 & 2)
Federal Operating Permit Program**

Table 1a & 1b: Additions

Date: 11/08/2023			Regulated Entity No.: RN101613230			Permit No.: O1460			
Company Name: Afton Chemical Corporation					Area Name: Houston Lube and Fuel Additives Plant				

Revision No.	Unit/Group/Process		SOP/GOP Index	Pollutant	Applicable Regulatory Requirements		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
	ID No.	Applicable Form			Name	Standard(s)			
6	GEN1	OP-UA2	60IIII-01	NO _x /NMHC	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 §1039, Appendix I	None	None	[G]§60.4214(d)
6	GEN1	OP-UA2	60IIII-01	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 §1039, Appendix I	None	None	[G]§60.4214(d)
6	GEN1	OP-UA2	60IIII-01	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 §1039, Appendix I	None	None	[G]§60.4214(d)
6	GEN1	OP-UA2	63ZZZZ-01	112(B) HAPs	40 CFR Part 63, Subpart ZZZZ	§60.6590(c)	None	None	None

Texas Commission On Environmental Quality
Form OP-REQ2
Negative Applicable/Superseded Requirement Determinations
Federal Operating Permit Program

Date:	Permit No.:	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit AI	Revision No.	Unit/Group/Process		Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
		ID No.	Applicable Form			
	7	GEN1	OP-UA2	30 TAC Chapter 117, Subchapter B, Div. 3	§117.300	The site is not a major source of NOx as defined in 30 TAC §117.10.
	7	GEN1	OP-UA2	30 TAC Chapter 117, Subchapter D, Div. 1	§117.2003(a)(2)(E)	The engine is operated exclusively in emergency situations, except for testing or maintenance purposes up to 52 hours per year, based on a rolling 12-month average.
	7	DIESEL1	OP-UA3	30 TAC Chapter 115, Subchapter B, Div. 1	§115.111(a)(8)	Storage tank has storage capacity less than or equal to 1,000 gallons.
	7	DIESEL1	OP-UA3	40 CFR Part 60, Subpart Kb	§60.110b(a)	Storage vessel capacity is less than 75 cubic meters (19,800 gallons).
	7	PORTTK	OP-UA3	30 TAC Chapter 115, Subchapter B, Div. 1	§115.111(a)(8)	Storage tank has storage capacity less than or equal to 1,000 gallons.
	7	PORTTK	OP-UA3	40 CFR Part 60, Subpart Kb	§60.110b(a)	Storage vessel capacity is less than 75 cubic meters (19,800 gallons).
	7	X-G-35	OP-UA3	30 TAC Chapter 115, Subchapter B, Div. 1	§115.111(a)(1)	Storage vessel stores VOC with a true vapor pressure less than 1.5 psia.
	7	X-G-35	OP-UA3	40 CFR Part 60, Subpart Kb	§60.110b(b)	Storage vessel capacity is greater than 75 cubic meters (19,800 gallons), but less than 151 cubic meters (39,900 gallons) and the maximum true vapor pressure is less than 15.0 kPa (2.2 psia).
	7	DEG1	OP-UA16	30 TAC Chapter 115, Subchapter E, Div. 1	§115.411(4)	The degreaser is a remote reservoir cold solvent cleaner that uses solvent with a true vapor pressure less than 0.6 psia at 100°F with a drain area less than 16 square inches and waste solvent is properly disposed of in enclosed containers, therefore it is exempt from §115.412(1).
	7	DEG2	OP-UA16	30 TAC Chapter 115, Subchapter E, Div. 1	§115.411(4)	The degreaser is a remote reservoir cold solvent cleaner that uses solvent with a true vapor pressure less than 0.6 psia at 100°F with a drain area less than 16 square inches and waste solvent is properly disposed of in enclosed containers, therefore it is exempt from §115.412(1).
	7	DEG1	OP-UA16	40 CFR Part 63, Subpart T	§63.460(a)	Degreaser does not use halogenated solvents.
	7	DEG2	OP-UA16	40 CFR Part 63, Subpart T	§63.460(a)	Degreaser does not use halogenated solvents.
	7	SURFCT	OP-UA18	30 TAC Chapter 115, Subchapter E, Div. 2	§115.420(a)	The surface coating operation is not a process specified in 30 TAC §115.420(a).

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	11/08/2023
Permit No.:	O1460
RN No.:	RN101613230

For SOP applications, answer ALL questions unless otherwise directed.

◆ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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. <i>If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.</i> <i>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.</i>	☒ 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

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	11/08/2023
Permit No.:	O1460
RN No.:	RN101613230

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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
<i>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.</i>	
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. ☐ YES ☒ NO <i>If the response to Question I.C.2 is "NO," go to Question I.C.4.</i>
	3. All vents from nonagricultural process in the application area are subject to additional monitoring requirements. ☐ YES ☐ NO

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	11/08/2023
Permit No.:	O1460
RN No.:	RN101613230

For SOP applications, answer ALL questions unless otherwise directed.

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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. <i>If the response to Question I.C.5 is "NO," go to Question I.C.7.</i> ☐ 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. <i>If the response to Question I.C.8 is "NO," go to Section I.D.</i> ☐ 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. <i>If the response to Question I.E.1 is "NO," go to Section II.</i> ☒ 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

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1
Federal Operating Permit Program

Date:	11/08/2023
Permit No.:	O1460
RN No.:	RN101613230

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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. <i>See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.</i>	☒ 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

- | | |
|--|--|
| 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

- | | |
|---|--|
| <p>2. The application area includes VOC transport vessel unloading operations.
 <i>For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.</i></p> | ☒ 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. <i>If the response to Question III.E.1 is "NO," go to Section III.F.</i> ☒ 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. <i>If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.</i> ☐ YES ☒ NO
◆	4. The application area is located in a covered attainment county as defined in 30 TAC §115.10. <i>If the response to Question III.E.4 is "NO," go to Question III.E.9.</i> ☐ 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. <i>If the response to Question III.E.7 is "YES," go to Section III.F.</i> ☐ YES ☒ NO

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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. <i>If the response to Question III.E.8 is "YES," go to Section III.F.</i>	☐ 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. <i>If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.</i>
☒ 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. <i>If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.</i>
☐ 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. <i>If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.</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 onsite 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. <i>If the response to Question III.K.1 is "N/A," go to Section III.L.</i>	☒ 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. <i>If the response to Question III.K.4 is "NO," go to Section III.L.</i>	☐ 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. <i>If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.</i>	☒ YES ☐ NO ☐ N/A
◆ 2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. <i>If the response to Question III.L.2 is "YES," go to Section III.M.</i>	☐ 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 $\geq$ 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. <i>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.</i>	☐ 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. <i>If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.</i>	☐ 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. <i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.</i> <i>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.</i> <i>For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.</i> <i>For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.</i>	☒ YES ☐ NO
2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. <i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i>	☐ YES ☒ NO
3.	The application area includes a utility electric generator in an east or central Texas county. <i>See instructions for a list of counties included.</i> <i>If the response to Question IV.A.3 is "YES," go to Question IV.G.1.</i> <i>If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.</i>	☐ 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. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i>	☐ 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. <i>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.</i>	☐ 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
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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
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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). <i>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.</i>	☒ 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. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>	☐ 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. N/A	

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. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i>	☐ 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. <i>If the response to question IV.H.1 is "NO," go to Section V.</i>	☐ 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 refinishing 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 refinishing coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. <i>If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.</i>	☐ YES ☒ NO
3. All automobile refinishing 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. <i>If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.</i>	☐ 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. <i>If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.</i>	☐ 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. <i>If the response to Question V.E.1 is "NO," go to Section VI.</i>	☐ 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. <i>If the response to Question VI.A.1 is "NO," go to Section VII.</i>	☒ 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. <i>If the response to Question VI.B.1 is "NO," go to Section VI.C.</i>	☐ YES ☒ NO
2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). <i>If the response to Question VI.B.2 is "NO," go to Section VI.C.</i>	☐ YES ☐ NO
3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. <i>If the response to Question VI.B.3 is "YES," go to Section VI.C.</i>	☐ YES ☐ NO
4.	The plant contains an open storage pile, as defined in §60.251, as an affected facility. <i>If the response to Question VI.B.4 is "NO," go to Section VI.C.</i>	☐ 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. <i>If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.</i>	☐ 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. <i>If the response to Question VI.C.2 is "NO," go to Section VI.D.</i>	☐ 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. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i> ☐ 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 (SO₂) Emissions	
◆	1. The application area includes affected facilities identified in 40 CFR §60.640(a) that process natural gas (onshore). <i>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.</i> ☐ YES ☒ NO
◆	2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. <i>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.</i> ☐ 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. <i>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.</i> ☐ 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 (SO₂) Emissions (continued)

◆	4. Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. <i>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.</i>	☐ YES ☐ NO
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◆	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. <i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i>	☐ 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. <i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i>	☐ 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. <i>If the response to Question VI.G.5 is "NO," go to Section VI.H.</i>	☐ 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. <i>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.</i>	☐ 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. <i>If the response to Question VI.H.4 is "NO," go to Section VI.I.</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. <i>If the response to Question VI.H.5 is "NO," go to Question VI.H.7.</i>	☐ 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. <i>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.</i>	☐ 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. <i>If the response to Question VI.I.4 is "NO," go to Section VI.J.</i>	☐ 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. <i>If the response to Question VI.I.5 is "NO," go to VI.I.7.</i>	☐ 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. <i>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.</i>	☐ 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. <i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>	☐ 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. <i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>	☐ 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. <i>If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.</i>
	☒ 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).
<i>If the response to Question VII.D.1 is "NO," go to Section VII.E.</i> | ☐ 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.
<i>If the response to Question VII.E.1 is "NO," go to Section VII.F.</i> | ☐ 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.
<i>If the response to Question VII.E.3 is "NO," go to Question VII.E.4.</i> | ☐ 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. <i>If the response to Question VII.E.4 is "NO," go to Question VII.E.5.</i>	☐ YES ☐ NO
a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. <i>If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.</i>	☐ 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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**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. <i>If the response to Question VII.E.5 is "NO," go to Question VII.E.6.</i>	☐ 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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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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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). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	☐ YES ☒ NO
3. The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. <i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>	☐ 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). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	☐ 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. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	☐ YES ☐ NO

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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). ☐ YES ☐ NO
If the response to Question VII.H.13 is "NO," go to Question VII.H.15.

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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**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.
<i>If the response to Question VII.H.15 is "NO," go to Question VII.H.18.</i> | ☐ YES ☐ NO |
| 16. The application area is an alternate means of compliance to meet the 40 CFR §61.345 requirements for containers.
<i>If the response to Question VII.H.16 is "YES," go to Question VII.H.18.</i> | ☐ 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.
<i>If the response to Question VII.H.18 is "NO," go to Question VII.H.25.</i> | ☐ 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.
<i>If the response to Question VII.H.19 is "YES," go to Question VII.H.25.</i> | ☐ YES ☐ NO |
| 20. The application area has individual drain systems complying with 40 CFR §61.346(a).
<i>If the response to Question VII.H.20 is "NO," go to Question VII.H.22.</i> | ☐ 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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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). <i>If the response to Question VII.H.22 is "NO," go to Question VII.H.25.</i>	☐ 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. <i>See instructions for 40 CFR Part 63 subparts made applicable only by reference.</i>	☒ 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). <i>If the response to Question VIII.B.1 is "NO," go to Section VIII.D.</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*)

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). <i>If the response to Question VIII.B.2 is "NO," go to Section VIII.D.</i>	☐ 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 <u>not</u> 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. <i>If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.</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*)

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. <i>If the response to Question VIII.C.1 is "NO," go to Section VIII.D.</i>	☐ YES ☐ NO
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2. The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR §63.148.	☐ YES ☐ NO
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3. The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR §63.148. <i>If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.</i>	☐ YES ☐ NO
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4. The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	☐ YES ☐ NO
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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. <i>If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.</i>	☐ YES ☐ NO
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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
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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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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. <i>If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.</i>	☐ 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. <i>If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.</i>	☐ YES ☐ NO
13. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. <i>If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.</i>	☐ 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. <i>If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.</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*)

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. <i>If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.</i>	☐ YES ☐ NO
18.	The application area includes process wastewater streams complying with 40 CFR §63.110(e)(2)(i).	☐ YES ☐ NO
19.	The application area 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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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. <i>If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.</i>	☐ 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. <i>If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.</i>	☐ 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. <i>If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.</i>	☐ 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. <i>If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.</i>	☐ 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). <i>If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.</i>	☐ 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). <i>If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.</i>	☐ 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
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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
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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
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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
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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
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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. <i>If the response to Question VIII.E.1 is "NO," go to Section VIII.F.</i>	☐ YES ☒ NO
2. Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. <i>If the response to Question VIII.E.2 is "NO," go to Section VIII.F.</i>	☐ 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. <i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>	☒ 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. <i>If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.</i>	☐ 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. <i>If the response to Question VIII.G.3 is "YES," go to Question VIII.G.9.</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)	
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. <i>If the response to Question VIII.G.4 is "YES," go to Question VIII.G.9.</i>	☐ YES ☐ NO
5. An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. <i>If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.</i>	☐ 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). <i>If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.</i>	☐ YES ☐ NO
7. Emissions screening factor less than 0.5 (ET or EP < 0.5). <i>If the response to Question VIII.G.7 is "YES," go to Section VIII.H.</i>	☐ 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). <i>If the response to Question VIII.G.8 is "YES," go to Section VIII.H</i>	☐ YES ☐ NO
9. Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). <i>If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.</i>	☐ YES ☐ NO
10. The site at which the application area is located is a major source of HAP. <i>If the response to Question VIII.G.10 is "NO," go to Section VIII.H</i>	☐ 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. <i>If the response to Question VIII.H.1 is "NO," go to Section VIII.I.</i>	☐ YES ☒ NO
2.	The application area uses processes and materials specified in 40 CFR §63.440(a)(1) - (3). <i>If the response to Question VIII.H.2 is "NO," go to Section VIII.I.</i>	☐ YES ☐ NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. <i>If the response to Question VIII.H.3 is "NO," go to Section VIII.I.</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. <i>If the response to Question VIII.H.6 is "NO," go to Section VIII.I.</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. <i>If the response to Question VIII.J.1 is "NO," go to Section VIII.K.</i>	☐ 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. <i>If the response to Question VIII.J.2 is "NO," go to Section VIII.K.</i>	☐ 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. <i>If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.</i>	☐ 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. <i>If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.</i>	☐ 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. <i>If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.</i>	☐ 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. <i>If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.</i>	☐ 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. <i>If the response to Question VIII.J.15 is "NO," go to Section VIII.K.</i>	☐ 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). <i>If the response to Question VIII.J.16 is "NO," go to Section VIII.K.</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)	
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. <i>If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.</i>	☐ 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. <i>If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.</i>	☐ 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). <i>If the response to Question VIII.N.1 is "NO," go to Section VIII.O.</i>	☐ 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). <i>If the response to Question VIII.N.2 is "YES," go to Section VIII.O.</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)	
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). <i>If the response to Question VIII.N.3 is "NO," go to Section VIII.O.</i>	☐ 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. <i>If the response to Question VIII.N.4 is "NO," go to Section VIII.O.</i>	☐ 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. <i>If the response to Question VIII.N.7 is "NO," go to Section VIII.O.</i>	☐ 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). <i>If the response to Question VIII.N.9 is "NO," go to Section VIII.O.</i>	☐ 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). <i>If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P</i>	☐ 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. <i>If the response to Question VIII.O.10 is “YES,” go to Section VIII.P.</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*)

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. <i>If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.</i>	☐ 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. <i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i>	☐ 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. <i>If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.</i>	☐ 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. <i>For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.</i> <i>For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.</i>	☐ YES ☒ NO
◆ 3. The application area contains only facilities that exclusively process, store or transfer black oil as defined in §63.761. <i>For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.</i>	☐ YES ☐ NO
◆ 4. The application area is located at a site that is a major source of HAP. <i>If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.</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*)

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 ft³) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. <i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i> <i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i>	☐ YES ☐ NO
◆	6.	The application area includes a triethylene glycol (TEG) dehydration unit. <i>For SOP applications, if 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.</i>	☐ 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. <i>If the response to Question VIII.R.1 is "NO," go to Section VIII.S.</i>	☐ 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. <i>If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.</i>	☐ 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. <i>If the response to Question VIII.U.1 is "NO," go to Section VIII.V.</i>	☐ 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. <i>If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.</i>	☐ 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. <i>If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.</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)	
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. <i>If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.</i>	☐ 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. <i>If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.</i>	☐ 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. <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i>	☐ 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). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i>	☐ 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. <i>If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.</i>	☐ 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). <i>If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.</i>	☐ YES ☐ NO
23.	Waste stream(s) are transferred off-site for treatment. <i>If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.</i>	☐ YES ☐ NO
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. <i>If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.</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*)

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). <i>If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.</i>	☐ 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. <i>If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.</i>	☐ 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). <i>If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.</i>	☐ 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. <i>If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.</i>	☐ 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. <i>If the response to Question VIII.W.32 is required, go to Question VIII.W.43.</i>	☐ YES ☐ NO
33. The application area has containers, as defined in 40 CFR §61.341, that receive a continuous butadiene waste stream. <i>If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.</i>	☐ YES ☐ NO
34. The application area is an alternate means of compliance to meet the 40 CFR §61.345 requirements for containers. <i>If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.</i>	☐ 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. <i>If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.</i>	☐ 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. <i>If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.</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*)

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). <i>If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.</i>	☐ 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). <i>If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.</i>	☐ 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. <i>If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.</i>	☐ YES ☐ NO
44.	The application area has containers, as defined in 40 CFR §61.341, that receive a waste stream containing benzene. <i>If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.</i>	☐ YES ☐ NO
45.	The application area is an alternate means of compliance to meet the 40 CFR §61.345 requirements for containers. <i>If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.</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 (<i>continued</i>)	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (<i>continued</i>)	
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. <i>If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.</i>	☐ 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. <i>If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.</i>	☐ YES ☐ NO
49. The application area has individual drain systems complying with 40 CFR §61.346(a). <i>If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.</i>	☐ 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). <i>If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.</i>	☐ 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 (<i>continued</i>)	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (<i>continued</i>)	
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. <i>If the response to Question VIII.W.54 is "NO," go to Section VIII.X.</i>	☐ 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. <i>If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.</i>	☐ 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. <i>If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.</i>	☐ YES ☐ NO
3. All process wastewater streams generated or managed in the application area are from sources producing polystyrene. <i>If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.</i>	☐ YES ☐ NO
4. All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. <i>If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.</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)

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. <i>If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.</i>	☐ 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. <i>If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.</i>	☐ 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. <i>If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.</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 (<i>continued</i>)	
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (<i>continued</i>)	
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. <i>If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.</i>	☐ 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. <i>If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.</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)*

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). <i>If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.</i>	☐ 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.
<i>If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.</i> | ☐ 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.
<i>If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.</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*)

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. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	☐ 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. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.BB.</i>	☐ 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. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	☐ 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. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</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*)

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). <i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i>	☐ 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. <i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i>	☐ 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. <i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>	☐ 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). <i>If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.</i>	☐ 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). <i>If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.</i>	☐ 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*)

BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.

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|--|---|
| 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.
<i>If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.</i> | ☐ YES ☒ NO |
| 2. The application area is located at a site that is a major source of HAP.
<i>If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.</i> | ☐ YES ☐ NO |
| 3. All site remediation's qualify for one of the exemptions contained in 40 CFR §63.7881(b)(1) through (6).
<i>If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.</i> | ☐ 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.
<i>If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.</i> | ☐ 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.
<i>If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.</i> | ☐ 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.
<i>If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.</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)	
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. <i>If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.</i>	☐ 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. <i>If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.</i>	☐ YES ☒ NO
2. The EAF steelmaking facility is a research and development facility. <i>If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.</i>	☐ 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. <i>If the answer to Question EE.1 is "NO," go to Section VIII.FF.</i>	☒ 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. <i>If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.</i>	☐ 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. <i>If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.</i>	☐ YES ☒ NO
7. The bulk gasoline terminal has throughput of less than 250,000 gallons per day. <i>If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.</i>	☐ 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. <i>If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.</i>	☐ 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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Form OP-REQ1: Page 75	
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. <i>If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.</i>	☒ YES ☐ NO
◆ 2. The application area includes at least one gasoline dispensing facility as defined in 40 CFR §63.11132. <i>If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.</i>	☒ 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. <i>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.</i>	☐ YES ☒ NO
◆ 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. N/A	

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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. <i>If the response to Question X.G.1 is "NO," go to Section X.H.</i> ☐ 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. <i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i>	☐ 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. N/A	

C. Emission Limitation Certifications

◆	1. The application area includes units for which federally enforceable emission limitations have been established by certification.	☐ YES ☒ NO
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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. <i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i>	☐ 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. <i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i>	☐ 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. <i>If the response to Question XI.F.1 is "NO," go to Question XI.F.7.</i>	☐ 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 SO₂ Trading Program

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| 1. The application area includes emission units complying with the requirements of the Texas SO ₂ Trading Program.
<i>If the response to Question XI.G.1 is "NO," go to Question XI.G.6.</i> | ☐ 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. <i>If the response to Question XI.J.1 is "NO," go to question XI.J.3.</i>	☒ 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. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	☒ 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. <i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i>	☐ 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. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i>	☐ 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). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i>	☐ YES ☐ NO

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◆ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 84	
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 addresses VOC, and the emission unit has a capture system as defined §64.1. XI.L.4 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. <i>If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.</i>
	☐ 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. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i>
	☐ 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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For SOP applications, answer ALL questions unless otherwise directed.

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Form OP-REQ1: Page 85		
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. <i>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.</i>	☐ 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
◆		☐ YES ☐ NO

Texas Commission on Environmental Quality
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For SOP applications, answer ALL questions unless otherwise directed.

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Form OP-REQ1: Page 86		
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. <i>If the response to XII.B.12 is "NO," go to Question XII.B.15.</i>	☐ 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
◆	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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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):	
<i>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.</i>			
F. Nonattainment (NA) Permits and NA Major Pollutants			
NA Permit No.: N/A	Issuance Date:	Pollutant(s): VOC	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
<i>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.</i>			
G. NSR Authorizations with FCAA § 112(g) Requirements			
NSR Permit No.: N/A	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.: 18161	Issuance Date: ~~09/26/2017~~ 06/14/2023	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
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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	
<i>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.</i>	
PBR/SE No.: 106.261	Version No./Date: 11/01/2003
PBR/SE No.: 106.262	Version No./Date: 11/01/2003
PBR/SE No.: 106.263	Version No./Date: 11/01/2001
PBR/SE No.: <u>106.412</u>	Version No./Date: <u>09/04/2000</u>
PBR/SE No.: 106.433	Version No./Date: 09/04/2000
PBR/SE No.: 106.452	Version No./Date: 09/04/2000
PBR/SE No.: 106.472	Version No./Date: 09/04/2000
PBR/SE No.: 106.473	Version No./Date: 09/04/2000
PBR/SE No.: 106.264	Version No./Date: 09/04/2000
PBR/SE No.: 106.265	Version No./Date: 09/04/2000
PBR/SE No.: 106.454	Version No./Date: 11/01/2001
PBR/SE No.: 106.511	Version No./Date: 09/04/2000
PBR/SE No.: ~~106.532~~	Version No./Date: ~~09/04/2000~~
PBR/SE No.:	Version No./Date:
PBR/SE No.:	Version No./Date:
PBR/SE No.:	Version No./Date:
PBR/SE No.:	Version No./Date:
◆ 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:

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program
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Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Date:	Permit No.:	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
X-J-15	R5112-01	NO		VOC1	A40K+			
X-J-15	<u>R5112-02</u>	<u>NO</u>		<u>VOC1</u>	<u>A40K+</u>			
X-J-15	<u>R5112-03</u>	<u>NO</u>		<u>VOC1</u>	<u>A40K+</u>			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
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Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Date:	Permit No.:	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.
X-J-15	R5112-01		VRS1	1-			FLARE	X-D-1
X-J-15	R5112-02		<u>VRS1</u>	<u>1-1.5</u>			<u>FLARE</u>	<u>X-D-1</u>
X-J-15	R5112-03		<u>VRS1</u>	<u>1.5+A</u>			<u>FLARE</u>	<u>X-D-1</u>

**Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Texas Commission on Environmental Quality**

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.:
11/08/2023	O1460	RN101613230

[illegible]

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 10)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart III: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date	Permit No.	Regulated Entity No.:
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Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
GEN1	60III-01	2005+	NONE	EMERG	CON	0406+

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 11)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart III: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date	Permit No.	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
GEN1	60III-01	DIESEL		10-CS		2017+	2016+

Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart III: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Date	Permit No.	Regulated Entity No.:
11/08/2023	O1460	RN101613230

[illegible]

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
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Texas Commission on Environmental Quality

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	Permit No.	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
GEN1	63ZZZZ-01	AREA	250-300	06+			

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Tables 1, 2

Date:	Permit No.:	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit / Process						Preconstruction Authorization		Group AI	Group ID No.	Plant AI	Plant ID No.
AI	Revision No(s).	ID No.	Applicable Form	Name/Description	CAM	30 TAC 116/106	Title I				
	4, 8	X-A-7	OP-UA4	Load Spot 58		18161, <u>§106.472/09/04/2000</u>			GRPLOAD		
	4, 8	X-A-20	OP-UA4	Load Spot 29		18161, <u>§106.472/09/04/2000</u>			GRPLOAD		
	4, 8	X-G-1	OP-UA3	Tank T-1105		18161, <u>§106.472/09/04/2000</u>			GRPTANK5		
	4, 8	X-I-12	OP-UA3	Tank D-1610B		18161, <u>§106.472/09/04/2000</u> , <u>§106.263/11/01/2001</u>					
	4, 8	X-I-13	OP-UA3	Tank T-1601		18161, <u>§106.472/09/04/2000</u> , <u>§106.263/11/01/2001</u>			GRPTANK3		
	4, 6, 8, 12, 13	X-J-15	OP-UA3	Tank T-1203		18161, <u>§106.472/09/04/2000</u> , <u>§106.263/11/01/2001</u>					
	4, 8	X-J-20	OP-UA3	Tank T-1217		18161, <u>§106.472/09/04/2000</u>			GRPTANK5		
	5, 9	X-GZ-0	OP-UA12	Process Area Fugitives		18161, <u>§106.261/11/01/2003</u> , <u>§106.262/11/01/2003</u>			GRPFUG		
A	5, 9	X-GZ-2	OP-UA12	Heated Railcars		<u>§106.261/11/01/2003</u> , <u>§106.262/11/01/2003</u>			GRPFUG		
A	5, 9	X-GZ-3	OP-UA12	Hot Boxes		<u>§106.261/11/01/2003</u> , <u>§106.262/11/01/2003</u>			GRPFUG		
A	5, 9	X-GZ-51	OP-UA12	Drains and Sewers		<u>§106.261/11/01/2003</u> , <u>§106.262/11/01/2003</u>			GRPFUG		
	4, 10	X-A-13	OP-UA4	Load Spot 43		18161, <u>§106.472/09/04/2000</u>			GRPLOAD		
	4, 10	X-A-17	OP-UA4	Load Spot 40		18161, <u>§106.472/09/04/2000</u>			GRPLOAD		

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Tables 1, 2

Date:	Permit No.:	Regulated Entity No.:
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Unit / Process						Preconstruction Authorization		Group AI	Group ID No.	Plant AI	Plant ID No.
AI	Revision No(s).	ID No.	Applicable Form	Name/Description	CAM	30 TAC 116/106	Title I				
	4, 10	X-G-23	OP-UA3	Tank T-1335		18161, <u>§106.472/09/04/2000</u>			GRPTANK5		
	4, 10	X-H-16	OP-UA3	Tank T-1355		18161, <u>§106.472/09/04/2000</u>			GRPTANK5		
	4, 10	X-H-17	OP-UA3	Tank T-1356		18161, <u>§106.472/09/04/2000</u>			GRPTANK5		
A	5, 10	X-H-19	OP-UA3	Tank T-1373		§106.472/09/04/2000			GRPTANK5		
A	5, 10	X-H-20	OP-UA3	Tank T-1374		§106.472/09/04/2000			GRPTANK5		
A	5, 10	X-H-21	OP-UA3	Tank T-1375		§106.472/09/04/2000			GRPTANK5		
A	5, 7, 15	SURFCT	OP-UA18	Surface Coating		§106.433/09/04/2000					
A	5, 15	DRYABCLN	OP-UA1	Outside Dry Abrasive Cleaning		§106.452/09/04/2000					
A	5, 15	HNDMCH	OP-UA1	Hand-held/Manually Operated Machinery		§106.265/09/04/2000					
A	5, 15	NAHS-MSS	OP-UA1	Naphthalic Anhydride Handling System Maintenance Activities (MSS)		§106.263/11/01/2001					
A	5, 15	VACTRKS	OP-UA1	Vacuum Trucks		§106.263/11/01/2001					
	4	D-1420	OP-UA15	Process Vent Vent		18161, <u>§106.264/09/04/2000</u>			GRP-VENT		
A	5, 7	DEG1	OP-UA16	Degreaser 1		§106.454/11/01/2001					
A	5, 7	DEG2	OP-UA16	Degreaser 2		§106.454/11/01/2001					
A	5, 7	DIESEL1	OP-UA3	Diesel Tank		§106.412/09/04/2000					
	4, 17	GAS1	OP-UA3	Gasoline Tank 1		~~§106.473/09/04/2000,~~ <u>§106.412/09/04/2000</u>					
D	5, 17	GAS2	OP-UA3	Gasoline Tank 2		§106.473/09/04/2000					
A	5, 7, 19	PORTTK	OP-UA3	Portable Fuel Tank		§106.473/09/04/2000					
A	5, 6, 7	GEN1	OP-UA2	Diesel Engine		§106.511/09/04/2000					

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Tables 1, 2

Date:	Permit No.:	Regulated Entity No.:
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Unit / Process						Preconstruction Authorization		Group AI	Group ID No.	Plant AI	Plant ID No.
AI	Revision No(s).	ID No.	Applicable Form	Name/Description	CAM	30 TAC 116/106	Title I				
A	5, 7	X-G-35	OP-UA3	Maleic Anhydride (MAH) Tank T-1137		§106.262/11/01/2003, §106.472/09/04/2000					
	4, 12	X-D-1	OP-UA7	Flare		18161, §106.261/11/01/2003, §106.262/11/01/2003, §106.263/11/01/2001					
	4, 12	X-G-36	OP-UA3	Tank T-1471		18161, §106.472/09/04/2000, §106.263/11/01/2001			GRPTANK5		
	4, 12	X-I-6	OP-UA3	Tank T-1604		18161, §106.263/11/01/2001					
	4, 12	X-I-9	OP-UA3	Tank T-1126		18161, §106.263/11/01/2001			GRPTANK1		
	4, 12	X-J-16	OP-UA3	Tank T-1204		18161, §106.263/11/01/2001					
	4, 12	X-J-17	OP-UA3	Tank T-1251		18161, §106.263/11/01/2001					
	4, 12	X-J-18	OP-UA3	Tank T-1215A		18161, §106.263/11/01/2001					
	4, 12	X-J-19	OP-UA3	Tank T-1216A		18161, §106.263/11/01/2001			GRPTANK2		
	4, 12	X-J-20	OP-UA3	Tank T-1217		18161, §106.263/11/01/2001			GRPTANK5		
	4, 12	X-J-24	OP-UA3	Tank T-1222		18161, §106.263/11/01/2001			GRPTANK4		
	4, 12	X-J-25	OP-UA3	Tank T-1223		18161, §106.263/11/01/2001			GRPTANK4		
	4, 12	X-J-26	OP-UA3	Tank T-1224		18161, §106.263/11/01/2001			GRPTANK4		
	4, 12	X-J-27	OP-UA3	Tank T-1225		18161, §106.263/11/01/2001			GRPTANK5		

**Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Tables 1, 2**

Date:	Permit No.:	Regulated Entity No.:
11/08/2023	O1460	RN101613230

Unit / Process						Preconstruction Authorization		Group AI	Group ID No.	Plant AI	Plant ID No.
AI	Revision No(s).	ID No.	Applicable Form	Name/Description	CAM	30 TAC 116/106	Title I				
	4, 12	X-J-28	OP-UA3	Tank T-1226		18161, <u>§106.263/11/01/2001</u>			GRPTANK5		
	4, 12	X-J-29	OP-UA3	Tank T-1227		18161, <u>§106.263/11/01/2001</u>			GRPTANK5		
	4, 12	X-J-30	OP-UA3	Tank T-1231		18161, <u>§106.263/11/01/2001</u>			GRPTANK5		
	4, 12	X-J-31	OP-UA3	Tank T-1211		18161, <u>§106.263/11/01/2001</u>					
	4, 12	X-J-32	OP-UA3	Tank T-1212		18161, <u>§106.263/11/01/2001</u>					
	4, 12	R-1228	OP-UA15	Process Vessel Vent		18161, <u>§106.263/11/01/2001</u>					

Note: Registration numbers for all registered Permits by Rule are provided on Form OP-PBRSUP, Table A

Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2 Table 1
Texas Commission on Environmental Quality

Date:	11/08/2023		
Permit No.:	O1460		
Regulated Entity No.:	RN101613230		
Company / Area Name:	Afton Chemical Corporation / <u>Houston</u> Lube and Fuel Additives Plant		
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	

**Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2 Table 1 (continued)
Texas Commission on Environmental Quality**

Date:	11/08/2023
Permit No.:	O1460
Regulated Entity No.:	RN101613230
Company / Area Name:	Afton Chemical Corporation / Houston Lube and Fuel Additives Plant
III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or a 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:	
☒ VOC	☐ NO _x ☐ SO ₂ ☐ PM ₁₀ ☐ CO ☐ Pb ☐ HAPs
Other:	
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.	

Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2 Table 2
Texas Commission on Environmental Quality

Date:	11/08/2023
Permit No.:	O1460
Regulated Entity No.:	RN101613230
Company / Area Name:	Afton Chemical Corporation / Houston Lube and Fuel Additives Plant

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form(s)		
1	MS-C	No	N/A	N/A		Renew FOP O1460 pursuant to 30 TAC Chapter 122, Subchapter C, Division 4.
2	MS-C	N/A	N/A	N/A		Update sitewide terms and conditions as detailed on the attached Form OP-REQ1.
3	MS-C	N/A	N/A	N/A		Update the Site/Area Name from "Lube and Fuel Additives Plant" to "Houston Lube and Fuel Additives Plant"
4	MS-A	N/A	See OP-SUMR & OP-REQ1	N/A		Update preconstruction authorizations as detailed on the attached Forms OP-SUMR and OP-REQ1.
5	MS-C	N/A	See OP-SUMR	See OP-SUMR		Add and update units and groups as detailed on the attached Form OP-SUMR.
6	MS-C	N/A	See UA Forms & OP-REQ3	Varies		Add and update applicable requirements as detailed on the attached unit attribute (UA) forms and Form OP-REQ3.
7	MS-C	N/A	See OP-REQ2	Varies		Update negative applicability determinations as detailed on the attached Form OP-REQ2.
8	MS-C	No	X-G-1, X-G-31, X-I-12, X-I-13, X-J-12, X-J-15, X-J-20, TOTE1, TOTE2; X-A-2, X-A-6, X-A-7, X-A-8, X-A-9, X-A-10, X-A-11, X-A-16, X-A-20; X-D-1; X-GZ-0	OP-UA03	§106.472/09/04/2000	This renewal incorporates Permit by Rule (PBR) No. 157407 which was issued on July 16, 2019 and revised on May 5, 2020 (TCEQ NSR Project Nos. 303244 and 315023, respectively) authorizing the production of three new PIBSA blend products. This PBR was previously addressed in the Off-Permit Notification submitted on July 22, 2019 (TCEQ FOP Project No. 29350), however Units X-I-12 and X-I-13 were misidentified as Units X-I-2 and X-I-3, respectively. No unit attributes or applicable requirements were affected. Preconstruction authorizations are updated on Form OP-SUMR as needed.
				OP-UA04	§106.472/09/04/2000	
				OP-UA07	§106.261/11/01/2003, §106.262/11/01/2003, §106.261/11/01/2003, §106.262/11/01/2003	
				OP-UA12	§106.261/11/01/2003, §106.262/11/01/2003	
9	MS-C	N/A	X-GZ-2, X-GZ-3, X-GZ-51	OP-UA12	§106.261/11/01/2003, §106.262/11/01/2003	This renewal incorporates PBR No.157695 which was issued on August 7, 2019 (TCEQ NSR Project No. 304213) authorizing non-point source fugitive emissions from wastewater drains, sewers, hose disconnects, and breathing losses from heating raw materials. These fugitive sources are subject to the same negative applicability determination as Unit X-GZ-0. Group GRPFUG was created on Form OP-SUMR and these units are members.

TCEQ 10059 (APDG 5722v26, Revised 03/22) OP-2

This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V Revised 03/10)

Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2 Table 2
Texas Commission on Environmental Quality

Date:	11/08/2023
Permit No.:	O1460
Regulated Entity No.:	RN101613230
Company / Area Name:	Afton Chemical Corporation / Houston Lube and Fuel Additives Plant

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form(s)		
10	MS-C	N/A	X-G-23, X-G-31, X-H-16, X-H-17, X-H-19, X-H-20, X-H-21; X-A-2, X-A-6, X-A-7, X-A-9, X-A-10, X-A-11, X-A-13, X-A-14, X-A-17; X-GZ-0, X-GZ-3	OP-UA03 OP-UA04 OP-UA12	§106.472/09/04/2000 §106.472/09/04/2000 §106.261/11/01/2003, §106.262/11/01/2003 §106.261/11/01/2003	This renewal incorporates PBR No.162997 which was issued on November 6, 2020 (TCEQ NSR Project No. 321127) authorizing the Heavy Duty Diesel (HDD) Project. No unit attributes or applicable requirements were affected. Preconstruction authorizations are updated on Form OP-SUMR as needed.
11	MS-C	N/A	X-GZ-0	OP-UA12	§106.261/11/01/2003, §106.262/11/01/2003	This renewal incorporates the following PBRs which authorized fugitive components only, so off-permit notifications (Form OP-NOTIFY) were not required. All new fugitive components are associated with Unit X-GZ-0, Process Area Fugitives. Registration No. 156492 / Project No. 299899, §106.261, §106.262; Registration No. 157474 / Project No. 303637, §106.262; Registration No. 158512 / Project No. 307049, §106.262; Registration No. 160732 / Project No. 314278, §106.261, §106.262. No unit attributes or applicable requirements were affected.
12	MS-C	N/A	X-G-36, X-I-6, X-I-9, X-I-12, X-I-13, X-J-15, X-J-16, X-J-17, X-J-18, X-J-19, X-J-20, X-J-24, X-J-25, X-J-26, X-J-27, X-J-28, X-J-29, X-J-30, X-J-31, X-J-32 X-D-1 R-1228	OP-UA03 OP-UA07 OP-UA15	§106.262/11/01/2001	This renewal incorporates an unregistered PBR §106.263 for flare maintenance outages claimed in July, 2020. No unit attributes or applicable requirements were affected. Preconstruction authorizations are updated on Form OP-SUMR as needed.
13	MS-C	No	X-J-15	OP-UA03	18161 §106.472/09/04/2000	Unit X-J-15 may operate at vapor pressures greater than 0.5 psia, therefore operating scenarios are included for vapor pressures less than 0.5 psia and for vapor pressures greater than or equal to 0.5 psia but less than 11.1 psia. Unit attributes are provided on Form OP-UA3 and applicable requirements are provided on Form OP-REQ3.
14	MS-C	N/A	See OP-PBRSUP	See OP-PBRSUP	See OP-PBRSUP	Supplemental data for all registered and unregistered (claimed) PBRs under which the site is operating is provided on Form OP-PBRSUP, as required for all FOP renewals submitted after August 1, 2020.

TCEQ 10059 (APDG 5722v26, Revised 03/22) OP-2

This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V Revised 03/10)

Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2 Table 2
Texas Commission on Environmental Quality

Date:	11/08/2023
Permit No.:	O1460
Regulated Entity No.:	RN101613230
Company / Area Name:	Afton Chemical Corporation / Houston Lube and Fuel Additives Plant

Using the table below, provide a description of the revision.

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form(s)		
15	MS-C	N/A	See OP-SUMR	See OP-PBRSUP	See OP-PBRSUP	Several Unit ID Nos. and Unit Names/Descriptions are provided on Form OP-SUMR to identify units addressed on Form OP-PBRSUP. These units are authorized under PBRs and have no potentially applicable requirements, therefore they have not been previously addressed in the Title V permit. No unit attributes or applicable requirements are needed.
16	MS-A	N/A	See OP-SUMR	See OP-SUMR	See OP-SUMR	The following PBRs were to be consolidated by incorporation into NSR Permit 18161 with the issuance of NSR Amendment Project 346622 (issued 3/31/2023), however according to the TCEQ Air Permits Database, this consolidation has not yet occurred: Registration Nos. 156492, 157474, 158512, and 160732. These PBRs are listed as preconstruction authorization for the appropriate units, and this information will be updated when the consolidation is completed.
17	MS-A		GAS1, DIESEL1	OP-UA03	§106.412/0904/2000	Onsite documentation for the unregistered PBR §106.412 authorizing the referenced fuel storage tanks was updated to reflect changes to pumping rates, maximum hourly throughputs, and fill types. Emission calculations were also updated to reflect current AP-42 calculation methods. Tank GAS2 was also removed from the PBR because the tank has been removed from the facility. No applicable requirements were affected by these changes.
18	MS-A		VACTRKS	OP-UA01	§106.263/11/01/2001	Onsite documentation for the unregistered PBR §106.263 authorizing vacuum truck usage was updated to include several additional operating scenarios and more accurately represent worst case site operations. Volume loaded, annual number of events, and material properties were updated accordingly. No applicable requirements were affected by these changes.
19	MS-A		PORTTK	OP-UA03	§106.473/0904/2000	Onsite documentation for the unregistered PBR §106.473 authorizing portable fuel tank PORTTK was updated to include storage of diesel fuel in addition to gasoline. No applicable requirements were affected by these changes.

TCEQ 10059 (APDG 5722v26, Revised 03/22) OP-2

This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (Title V Revised 03/10)

**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: Afton Chemical Corporation
B. Customer Reference Number (CN): CN604980136
C. Submittal Date (mm/dd/yyyy): 11/08/2023
II. Site Information
A. Site Name: Houston Lube and Fuel Additives Plant
B. Regulated Entity Reference Number (RN): RN101613230
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
☐ 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: <i>(Check the appropriate box[es].)</i>
☒ VOC ☐ NO _x ☐ SO ₂ ☐ PM ₁₀ ☐ CO ☐ Pb ☐ HAPS
Other: N/A
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: N/A
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
☒ 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 <i>(Complete for Initial Issuance Applications Only.)</i>	
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
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: Mr. Ryan Pannell	
RO Title: VP Manufacturing	
Employer Name: Afton Chemical Corporation	
Mailing Address: 512 Rudder Road	
City: Fenton	
State: MO	
ZIP Code: 63026-2011	
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 636-492-0960	
Fax No.:	
Email: Ryan.Pannell@AftonChemical.com	

**Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 3)
Texas Commission on Environmental Quality**

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.)
Technical Contact Full Name: Maryam Shekari
Technical Contact Title: EHS Manager
Employer Name: Afton Chemical Corporation
Mailing Address: 1000 N. South Street
City: Pasadena
State: Texas
ZIP Code: 77503
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 713-740-8340
Fax No.:
Email: Maryam.Shekari@AftonChemical.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Carol Alvarado (District 6)
B. State Representative: Mary Ann Perez (District 144)
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 <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
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: <u>Houston</u> Lube and Fuel Additives Plant
B. Physical Address: 1000 N. South Street
City: Pasadena
State: Texas
ZIP Code: 77503
C. Physical Location:
D. Nearest City: Pasadena
E. State: Texas
F. ZIP Code: 77503

**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): 029:44:04
H. Longitude (nearest second): 095:10:17
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: ~154
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 a public place to view application and draft permit: Pasadena Public Library
B. Physical Address: 1201 Jeff Ginn Memorial Drive
City: Pasadena
ZIP Code: 77506
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: Maryam Shekari
Contact Mailing Address: 1000 N. South Street
City: Pasadena
State: Texas
ZIP Code: 77503
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: 713-740-8340

November 9, 2023

Submitted via STEERS

Texas Commission on Environmental Quality (TCEQ)
Air Permits Initial Review Team (APIRT), MC 161
12100 Park 35 Circle, Building C, Third Floor
Austin, Texas 78753

TCEQ Region 12
5425 Polk Street, Suite H
Houston, Texas 77023-1452

Re: Afton Chemical Corporation
Houston Lube and Fuel Additives Plant
Pasadena, Harris County
CN604980136, RN101613230
TCEQ Account No. HG-6831-P
Federal Operating Permit No. O1460 Renewal

To the Agency:

Afton Chemical Corporation (Afton) hereby submits the enclosed permit renewal application for Federal Operating Permit (FOP) No. O1460 for the Afton Houston Lube and Fuel Additives Plant located in Harris County, Texas. In accordance with Title 30 of the Texas Administrative Code (30 TAC) Chapter 122, Subchapter C, Division 4, Afton submits this renewal application 6 to 18 months before the date of permit expiration. The application includes updates of information and any additional information required by 30 TAC Chapter 122 that has not been previously submitted.

As required, supplemental information regarding all Permits by Rule (PBR)s under which the Afton plant operates is provided on Form OP-PBRSUP (PBR Supplemental Table).

If you have any questions or require additional information, please contact me at 713-740-8340 or via email at Maryam.Shekari@aftonchemical.com.

Sincerely,



Maryam Shekari
Environmental, Health, and Safety Manager

cc: EPA Region VI - R6AirPermitsTX@epa.gov (via email)



Federal Operating Permit No. O1460 Renewal Application

Prepared For
Texas Commission on Environmental Quality

On behalf of
Afton Chemical Corporation
Houston Lube and Fuel Additives Plant
RN101613230 / CN604980136

November 2023

Project No. P3399



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1 INTRODUCTION

1.1 Project Description and Purpose

Afton Chemical Corporation (Afton) is submitting this timely and complete application for renewal of Federal Operating Permit (FOP) No. O1460 for their Houston Lube and Fuel Additives Plant, pursuant to Texas Commission on Environmental Quality (TCEQ) guidance and Title 30 Texas Administrative Code (30 TAC) §122.241.

In addition to renewing the FOP, this renewal incorporates several Permits by Rule (PBRs) as described on Form OP-2, Table 2. Supplemental PBR information is also provided on Form OP-PBRSUP.

This application meets the requirements of 30 TAC §122.132 and is submitted within the six to eighteen-month time frame specified by 30 TAC §122.133. As specified by 30 TAC §122.134(b)(2), this application includes updates of information held by the executive director and any additional information required by 30 TAC Chapter 122 that has not been previously submitted.

1.2 Background

The Afton Houston Lube and Fuel Additives Plant, Regulated Entity Number (RN) RN101613230, is located at 1000 N. South Street in Pasadena, Harris County, Texas. The TCEQ Customer Number (CN) for Afton is CN604980136 and the TCEQ Air Account Number for the plant is HG-6831-P.

FOP O1460 was initially issued on July 10, 2003 (TCEQ FOP Project No. 1460). It was subsequently renewed on December 19, 2008, February 18, 2014, and May 24, 2019 (TCEQ FOP Project Nos. 11401, 19660, and 27985, respectively). The permit was also revised on December 23, 2021 (TCEQ FOP Project No. 32105). Streamlined Minor Revision TCEQ FOP Project No. 35344 is currently under review. The FOP expires May 24, 2024.

1.3 Application Overview

This renewal application includes the following key components:

- Section 2:
 - General and administrative information (Forms OP-1, OP-2, and OP-CRO1);
 - Emission unit data (Form OP-SUMR);
 - Unit attribute data (UA-series forms);
 - Potentially applicable requirement data (Forms OP-REQ1, OP-REQ2, and OP-REQ3);
 - Compliance Status Information (Form OP-ACPS); and
 - PBR supplemental data (Form OP-PBRSUP).
- Section 3:
 - Supplemental information, including an area map, plot plan, and process description.

2 TCEQ APPLICATION FORMS

The following forms are included in this section:

- OP-1 – Site Information Summary;
- OP-2 – Application for Permit Revision/Renewal;
- OP-SUMR – Individual Unit Summary for Revisions;
- Unit Attribute Forms:
 - OP-UA2 – Stationary Reciprocating Internal Combustion Engine (SRICE) Attributes
 - Table 2 – 40 CFR Part 63, Subpart ZZZZ (MACT ZZZZ);
 - Table 5 – 40 CFR Part 60, Subpart IIII (NSPS IIII);
 - OP-UA3, Storage Tank/Vessel Attributes
 - Table 3 – 40 CFR Part 60, Subpart Kb (NSPS Kb);
 - Table 4 – 30 TAC Chapter 115, Storage of VOCs;
- OP-REQ1 – Application Area-Wide Applicability Determinations and General Information;
- OP-REQ2 – Negative Applicable/Superseded Requirement Determinations;
- OP-REQ3 – Applicable Requirements Summary
- OP-ACPS – Application Compliance Plan and Schedule, Part 1; and
- OP-PBRSUP – Permits by Rule Supplemental Table

<INSERT ALL PDF FORMS>

3 SUPPLEMENTAL INFORMATION

3.1 Area Map

The Afton Houston Lube and Fuel Additives Plant is located at 1000 N. South Street in Pasadena, Harris County, Texas. An area map is provided as Figure 3-1.

3.2 Plot Plan

A plot plan of the Afton Houston Lube and Fuel Additives Plant is provided as Figure 3-2.

Commented [NW1]: Per client 11/1/2023 e-mail

3.3 Process Description

The Afton Houston Lube and Fuel Additives Plant consists of five (5) process units, a utility system, and a water/wastewater system primarily authorized under New Source Review Permit 18161.

Commented [NGW2]: 5 Process Unit & Utility System summarized from process description in NSR Permit 18161 Amendment Project 346622 application.

- The Polyalkyl Phenol (PAP) Unit produces polyalkylphenol products;
- The Mannich Unit produces dispersant products used in fuel additive formulations;
- The gasoline performance additives (GPA) blending unit, also known as the East Blending Unit, produces product formulations meeting various customer specifications;
- The Polyisobutylene Succinic Anhydride (PIBSA) Unit produces dispersant products used in lubricant (engine oil) additive formulations;
- The lubricant additives (EO) blending unit, also known as the West Blending Unit, produces formulated products meeting various customer specifications;
- Utility systems include a hot oil furnace that supplies hot oil to the PAP Unit, and a 3,400 gallon per minute (gpm) cooling water tower that supplies cooling water to the units; and
- Wastewater from the process is pH adjusted and loaded for offsite treatment. Wastewater from cooling tower blow down, steam condensate, and rain water in the dikes is discharged into National Pollutant Discharge Elimination System (NPDES) wastewater system operated by a non-Afton facility.

Commented [NW3]: Per client 11/1/2023 e-mail

A process flow block diagram is provided as Figure 3-3.

Figure 3-1: Area Map

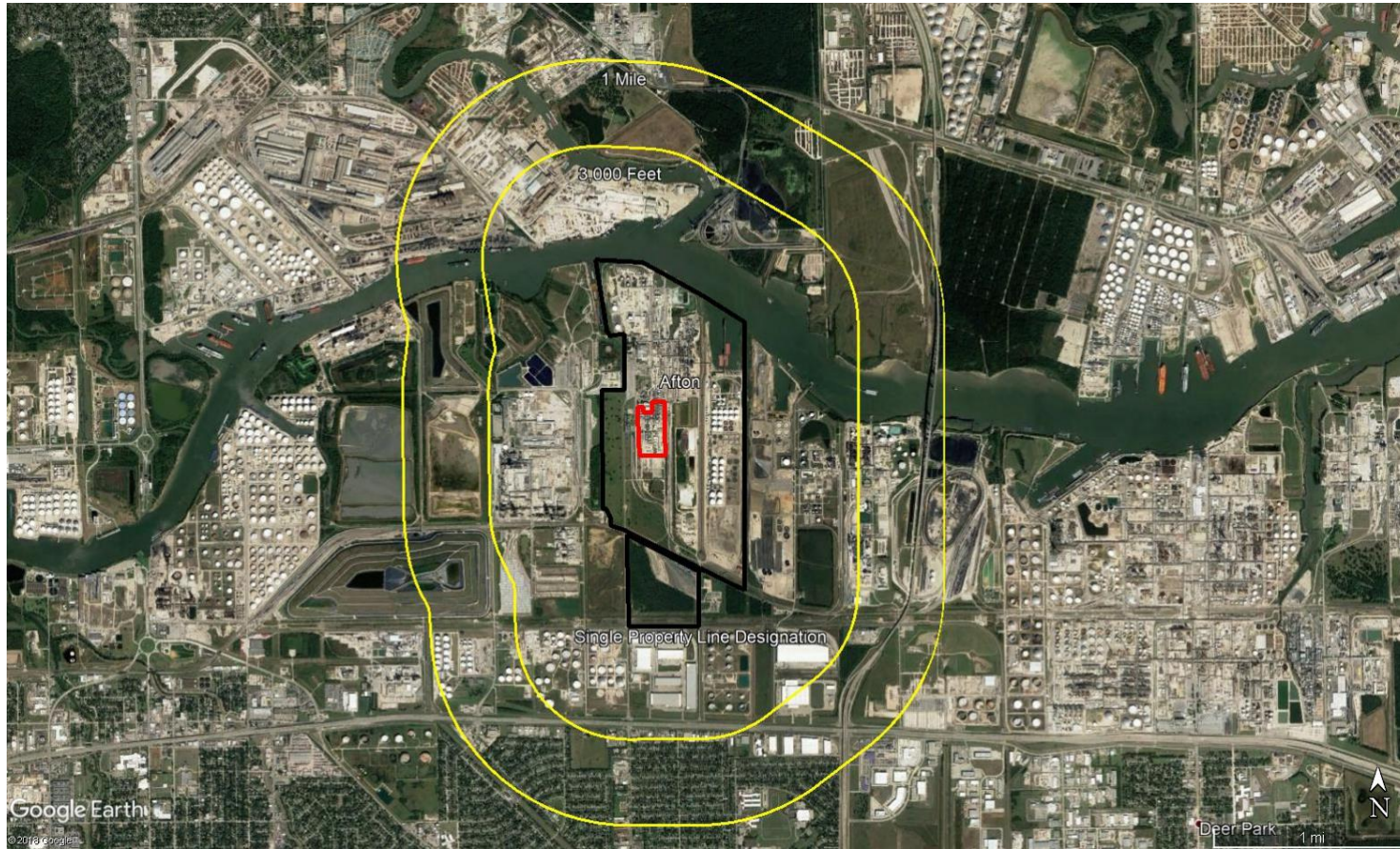


Figure 3-2: Plot Plan

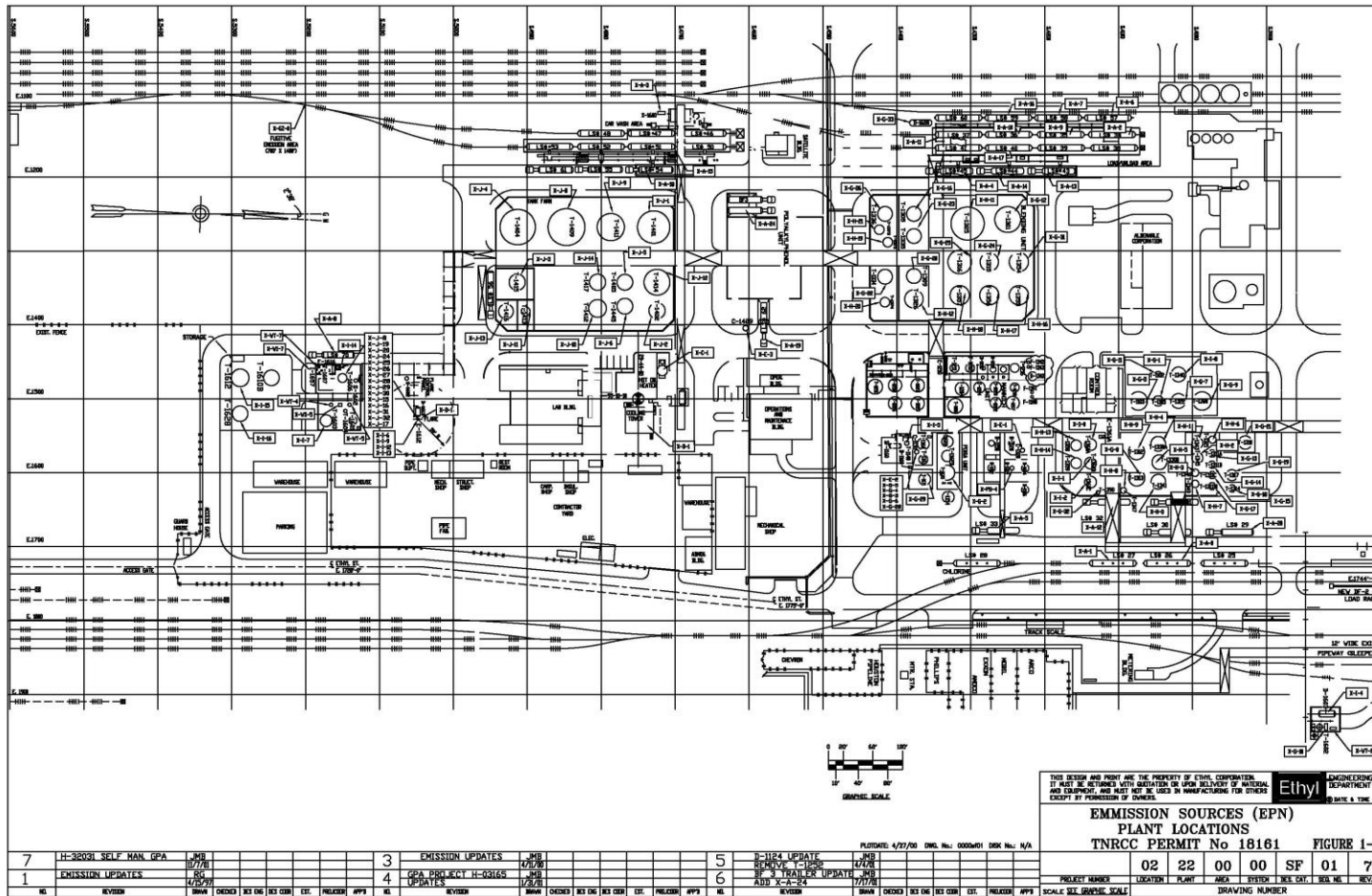


Figure 3-3: Block Flow Diagram

