From: Mcelroy, Naomi E <naomi.e.mcelroy@exxonmobil.com>
Sent: Friday, November 14, 2025 2:46 PM
To: Jasmine Yuan; Thanapal, Siva Sankar
Cc: Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Jasmine,

I did not find anything in our files documenting the reasoning behind the removal of the HRVOC CAMs, however, we do agree with their removal. Per the TCEQ CAM guidance, in order for a CAM to be required, the emissions unit must have "the pre-control device potential to emit greater than or equal to the amount in tons per year required for a site to be classified as a major source." HRVOC by itself would not cause the site to be a major source. We do have CAMs for VOC for each of these units.

Thanks,
Naomi

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Thursday, November 13, 2025 11:01 AM
To: Mcelroy, Naomi E <naomi.e.mcelroy@exxonmobil.com>; Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Naomi,

The pic below shows all units used to have CAM for HRVOC rule. They are in your effective permit. However, during this project review, I removed all CAMs for HRVOC rule. I forgot why.
Can you please clarify if these flare are still subject to CAM and do you need these CAM to be added back to permit?
Please respond as soon as possible.

Thank you so much!
Jasmine Yuan

EU/Group/Pro	CAM Flg	Form	Index #	Pollutant	Regulation

All Linked or No PM Required

Provisionally Deleted OP-MONs (**still linked**)

EU/Group/Pro	Form	Index #	Pollutant	Regulation	Citat
BF-4405	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
COMBVNT1	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
COMBVNT2	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
COMBVNT3	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4110A/B	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4711	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4712	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4751	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4752	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4753	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-4754	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
DM-9999	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
HDTK4402	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
HDVNTFLARE	OP-UA15	R5720-2	HRVOC	30 TAC Chapter 115, Subchapter H	115.7
PEXCMNHP	OP-UA15	R5720-3	VOC	30 TAC Chapter 115, Subchapter H	115.7
PEXCMNLP	OP-UA15	R5720-2	VOC	30 TAC CHAPTER 115, SUBCHAPT	115.7

Exxon Mobil Corporation
5000 Bayway Drive
PO Box 4004
Baytown, Texas 77522-4004

ExxonMobil

Submitted via email

October 29, 2025

Ms. Jasmine Yuan
Air Permits Division, MC 163
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: Certification of Revisions to Working Draft Permit for
Federal Operating Permit No. O2276
Exxon Mobil Corporation Chemical Plant
CN600123939; RN102501020; Account Number: CI-0009-P

Dear Ms. Yuan:

On behalf of the Exxon Mobil Corporation (ExxonMobil) Mont Belvieu Plastics Plant (MBPP), located at 13338 Hatcherville Rd, Mont Belvieu, TX 77521, enclosed is a signed certification of accuracy and completeness for Federal Operating Permit (FOP) No. O2276 pursuant to 30 TAC Chapter 122 Federal Operating Permits Program, Subchapter C Initial Permit Issuances, Revisions, Reopenings, and Renewals.

The enclosed Form OP-CRO1 in Section 1 is being submitted to certify revisions made during the application review and comments to the Permit No. O2269 working draft permit.

Applicable pages of the following forms are enclosed:

Section 1 – General Administrative Forms (new/updated information is in **bold**)

- OP-CRO1: Certification by Responsible Official

If you have any questions or should you require any additional information, please contact Naomi McElroy at 254-545-3160 or naomi.e.mcelroy@exxonmobil.com.

Sincerely,

Christy Mak
Permitting Supervisor
Attachment(s)

Email to:

Jasmine Yuan – Jasmine.Yuan@tceq.texas.gov
EPA Region 6 – R6AirPermitsTX@epa.gov
TCEQ Region 12 - R12apdmail@tceq.texas.gov

Section 1: General and Administrative Forms
Form OP-CRO1

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: **RN102501020**	
CN: **CN600123939**	
Account No.: **CI-0009-P**	
Permit No.: **O2276**	
Project No.: **37206**	
Area Name: **Mont Belvieu Plastics Plant**	
Company Name: **Exxon Mobil Corporation**	
II. Certification Type *(Please mark appropriate box)*	
☒ Responsible Official Representative	☐ Duly Authorized Representative
III. Submittal Type *(Please mark appropriate box) (Only one response can be accepted per form)*	
☐ SOP/TOP Initial Permit Application	☐ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application	☒ Update to Permit Application
☐ Other: _____	

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

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

IV. Certification of Truth

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

I, **Jessica N. Vasquez** certify that I am the **RO**

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

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

Time Period: From **02/28/2025** to **10/28/2025**

(Start Date) *(End Date)*

Specific Dates: _____ _____ _____ _____

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

_____ _____

(Date 5) *(Date 6)*

Signature: Jessica Vasquez Signature Date: 10/29/25

Title: **Plant Manager**

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Wednesday, October 1, 2025 5:25 PM
To: Jasmine Yuan
Cc: Mak, Christy; Mcelroy, Naomi E
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: Final SOP draft_EM MBPP Comments.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good evening Jasmine,

Thanks for incorporating our requested edits and sending us the draft SOB.

Please find attached the final draft with a few outstanding edits in track changes mode along with embedded comments.

Please let us know if additional details are needed.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Thursday, September 18, 2025 8:32 AM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Mak, Christy <christy.mak@exxonmobil.com>; Mcelroy, Naomi E <naomi.e.mcelroy@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Thank you!
I will be out of office next week. After my return, I will send the permit to internal QAQC review. I will try to get the PNAP out to you in the middle of October.
The public notice can start end of October or beginning November. Final issuance date can be end of December.
If you have any comments on SOP draft and SOB, within the project scope, you can let me know by 10/01.
Thanks
Jasmine

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3UFLARE62	EU	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
3UFLARE62	EP	R5720-1	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(n) ~~[G]§ 115.726(a)(2)~~	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) ~~§ 115.725(k)(1)~~	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) ~~§ 115.726(d)(10)~~ § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B) ~~[G]§ 115.726(a)(2)~~
3UFLARE62	EP	R5720-5	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§	§ 115.725(m)(1) § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2)	§ 115.725(n) § 115.726(a)(1)(B)

Commented [ST3]: EM Comment: Requesting to remove these citations to be consistent with notes in SOB. This flare is in 'OTHER' service.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	111.111(a)(4)(A)(ii)		
3UFLARE63	EP	R5720-2	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(n) ~~[G]§ 115.726(a)(2)~~	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) ~~§ 115.725(k)(1)~~	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) ~~§ 115.726(d)(10)~~ § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B) ~~[G]§ 115.726(a)(2)~~
3UFLARE63	EP	R5720-5	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii)	§ 115.725(m)(1) § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i)	§ 115.725(n) § 115.726(a)(1)(B)

Commented [ST4]: EM Comment: Requesting to remove these citations to be consistent with notes in SOB. This flare is in 'OTHER' service.

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
RO ..... Responsible Official~~state implementation plan~~
SIP ..... ~~Responsible Official~~state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

From: Jasmine Yuan
Sent: Friday, September 5, 2025 12:33 PM
To: Thanapal, Siva Sankar
Cc: Mak, Christy; Mcelroy, Naomi E
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Siva,
For your comments on working draft permit provided on 07/03, I accepted most of them and made updates. I wasn't sure for a few of them so I asked my technical specialist. Here are her opinions:

1. For the flares that are complying with MACT CC because MACT FFFF references it, we would prefer if the rule name could remain MACT CC so that manual changes are not necessary. That way the rule name will also match what is on the UA-07. You can let the applicant know that the UA form has a question that differentiates between controlling a MACT CC source and complying only because another rule references MACT CC. That question will appear in the Statement of Basis, so it will be clear that this site is not a petroleum refinery. Having the permit list MACT CC for these flares does not add extra requirements.
2. For 3UFLARE62, the applicant is correct that the four citations they want to remove from 115 HRVOC requirements are for a Flare Type of "MULTI". However, that is currently what is entered in the IMS. You should check their application to make sure that they provided "OTHER" for Flare Type and if so, you can fix the IMS, run engine, and update permit. If they put "MULTI" in their application then they need to fix the form. Pls let me know the code.
3. For the pollutant for the flare requirements referenced from MACT CC by MACT FFFF, those are labeled as Opacity on purpose. We understand that the flare is controlling HAPs for compliance with the other emission limits in MACT FFFF. However, this specific row is listing the visible emissions limit for the flare from MACT CC, so that is why the pollutant used is Opacity. The MACT FFFF rows for the emission sources controlled by the flare will all have their 112(B) HAPs label.

Upon your response, I will wrap up and prepare the public notice package.
If you need, I can send you updated working draft permit.

Thanks
Jasmine

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Wednesday, September 3, 2025 7:28 AM
To: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Cc: Mak, Christy <christy.mak@exxonmobil.com>; Mcelroy, Naomi E <naomi.e.mcelroy@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Good morning Jasmine,

Quick follow up on O2276 renewal. Can you provide us an update on its status? Let us know if you need any additional information from our end.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Thanapal, Siva Sankar
Sent: Friday, June 27, 2025 1:56 PM
To: 'Jasmine Yuan' <Jasmine.Yuan@tceq.texas.gov>
Cc: Mak, Christy <christy.mak@exxonmobil.com>; Mcelroy, Naomi E <naomi.e.mcelroy@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Good afternoon Jasmie,

Thanks for compiling the working draft permit incorporating most of our requested updates. Please find attached the draft permit with our notes and edits in track changes mode. Please let us know if additional details are needed on any of the noted items.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

   A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

   B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

   C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

   D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

   E. Emission units subject to 40 CFR Part 63, Subparts ~~CC,~~ EEEE, FFFF, ZZZZ, or DDDDD as identified in the attached Applicable Requirements Summary table are subject to

Commented [ST1]: Emission units are subject to 40 CFR 63 Subpart FFFF, which points to CC requirements for flares. MBPP requests to remove CC as the site is not a petroleum refinery.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
3UFLARE62	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
3UFLARE62	FLARES	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used., Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d)., Flare Type = Flare is in multi-purpose service.
3UFLARE62	FLARES	N/A	R5720-5	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used., Flare Type = Flare is complying with the requirements of § 115.725(d) to demonstrate compliance.
~~3UFLARE62~~	~~FLARES~~	~~N/A~~	~~60A-1~~	~~40 CFR Part 60, Subpart A~~	~~Flare Assist Type = Steam-assisted, Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)~~
~~3UFLARE62~~	~~FLARES~~	~~N/A~~	~~60A-2~~	~~40 CFR Part 60, Subpart A~~	~~Flare Assist Type = Steam-assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).~~
~~3UFLARE62~~	~~FLARES~~	~~N/A~~	~~60A-3~~	~~40 CFR Part 60, Subpart A~~	~~Flare Assist Type = Steam-assisted, Flare Exit Velocity = Flare exit~~

Commented [ST2]: MBPP requests to remove these SOP Index numbers for this flare as 3UFLARE62 is an air assisted flare. In the initial application and subsequent NOD responses, MBPP requested to add 60A-4, 60A-5 and 60A-6 to this flare which were added below.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					~~velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)~~
3UFLARE62	FLARES	N/A	60A-4	40 CFR Part 60, Subpart A	Flare Assist Type = Air-assisted, Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
3UFLARE62	FLARES	N/A	60A-5	40 CFR Part 60, Subpart A	Flare Assist Type = Air-assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
3UFLARE62	FLARES	N/A	60A-6	40 CFR Part 60, Subpart A	Flare Assist Type = Air-assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
~~3UFLARE62~~	~~FLARES~~	~~N/A~~	~~63A-1~~	~~40 CFR Part 63, Subpart A~~	~~Flare Assist Type = Steam assisted, Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)~~
~~3UFLARE62~~	~~FLARES~~	~~N/A~~	~~63A-2~~	~~40 CFR Part 63, Subpart A~~	~~Flare Assist Type = Steam assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than~~

Commented [ST3]: MBPP requests to remove these SOP Index numbers for this flare as 3UFLARE62 is an air assisted flare. In the initial application and subsequent NOD responses, MBPP requested to add 63A-4, 63A-5 and 63A-6 to this flare which were added below.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					~~400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).~~
~~3UFLARE62~~	~~FLARES~~	~~N/A~~	~~63A-3~~	~~40 CFR Part 63, Subpart A~~	~~Flare Assist Type = Steam assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).~~
3UFLARE62	FLARES	N/A	63A-4	40 CFR Part 63, Subpart A	Flare Assist Type = Air assisted, Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
3UFLARE62	FLARES	N/A	63A-5	40 CFR Part 63, Subpart A	Flare Assist Type = Air assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
3UFLARE62	FLARES	N/A	63A-6	40 CFR Part 63, Subpart A	Flare Assist Type = Air assisted, Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).
3UFLARE62	FLARES	N/A	63FFFF-10	40 CFR Part 63, Subpart ~~CC~~FFFF	Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but

Commented [ST4]: Can this be manually updated to refer Subpart FFFF as the site is not a petroleum refinery?

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					less than 400 ft/s
3UFLARE62	FLARES	N/A	63FFFF-8	40 CFR Part 63, Subpart ~~CC~~FFFF	Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)
3UFLARE62	FLARES	N/A	63FFFF-~~6~~11	40 CFR Part 63, Subpart FFFF	~~Empty~~No Changing attributes
3UFLARE63	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
3UFLARE63	FLARES	N/A	R5720-2	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used., Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d)., Flare Type = Flare is in multi-purpose service.
3UFLARE63	FLARES	N/A	R5720-5	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used., Flare Type = Flare is complying with the requirements of § 115.725(d) to demonstrate compliance.
3UFLARE63	FLARES	N/A	60A-1	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
3UFLARE63	FLARES	N/A	60A-2	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than

Commented [ST5]: SOP index numbers were updated with the UA-7 submitted for 63FFFF pointing to MACT CC on 5/8/25. MBPP requests to update this SOP Index to 63FFFF-11 to avoid duplicated SOP index numbers referring to different requirements.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					or equal to 1000 Btu/scf (37.3 MJ/scm).
3UFLARE63	FLARES	N/A	60A-3	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
3UFLARE63	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
3UFLARE63	FLARES	N/A	63A-2	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
3UFLARE63	FLARES	N/A	63A-3	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).
3UFLARE63	FLARES	N/A	63FFFF-7	40 CFR Part 63, Subpart FFFF	~~Empty~~No Changing Attributes
BF-4405	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-2	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
BF-4405	EMISSION POINTS/STATIONARY	N/A	R5121-7	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
HDCYS4402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
HDCYS4402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
HDCYS4402	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63FFFF-G1CPV	40 CFR Part 63, Subpart FFFF	No changing attributes.
HDFLARE	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
HDFLARE	FLARES	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.
HDFLARE	FLARES	N/A	R5720-5	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.
HDFLARE	FLARES	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
HDFLARE	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
HDFLARE	FLARES	N/A	63FFFF-6	40 CFR Part 63, Subpart ~~CC~~FFFF	Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)
HDFLARE	FLARES	N/A	63FFFF-9	40 CFR Part 63, Subpart ~~CC~~FFFF	Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but less than 400 ft/s
HDFLARE	FLARES	N/A	63FFFF-611	40 CFR Part 63, Subpart FFFF	~~Empty~~ No Changing attributes

Commented [ST6]: Can this be manually updated to refer Subpart FFFF as the site is not a petroleum refinery?

Commented [ST7]: SOP index numbers were updated with the UA-7 submitted for 63FFFF pointing to MACT CC on 5/8/25. MBPP requests to update this SOP Index to 63FFFF-11 to avoid duplicated SOP index numbers referring to different requirements.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					monitoring and testing methods of the rule.
~~L1ANALYZER~~	~~EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS~~	~~N/A~~	~~R5720-4~~	~~30 TAC Chapter 115, HRVOC Vent Gas~~	~~HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times., Exempt Date = The vent gas stream is not exempt.~~
L1ANALYZER	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-5	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
L1CPVBOILR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-9	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
L1CPVBOILR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-9	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
L1CPVFLARE	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-2	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
L1CPVFLARE	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-8	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
L1TK25053	STORAGE TANKS/VESSELS	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
L1TK92026	STORAGE TANKS/VESSELS	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
L1TKAST1B	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
L1TKBUTANE	STORAGE	N/A	R5112-5	30 TAC Chapter 115,	No changing attributes.

Commented [ST8]: MBPP requests to remove this SOP Index number reference for this unit ID to be consistent with the application.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	GENERATORS/STEAM GENERATING UNITS			DDDDD	
LDBLR2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7300-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
LDBLR2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
LDCOOLTWR	INDUSTRIAL PROCESS COOLING TOWERS	N/A	R5760-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
LDCOOLTWR	INDUSTRIAL PROCESS COOLING TOWERS	N/A	63FFFF-CT	40 CFR Part 63, Subpart FFFF	No changing attributes.
LDFLARE	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LDFLARE	FLARES	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.
LDFLARE	FLARES	N/A	R5720-5	30 TAC Chapter 115, HRVOC Vent Gas	Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.
LDFLARE	FLARES	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
LDFLARE	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
LDFLARE	FLARES	N/A	63FFFF-6	40 CFR Part 63, Subpart ~~CC~~FFFF	Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)
LDFLARE	FLARES	N/A	63FFFF-9	40 CFR Part 63, Subpart ~~CC~~FFFF	Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but

Commented [ST9]: Can this be manually updated to refer Subpart FFFF as the site is not a petroleum refinery?

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					less than 400 ft/s
LDFLARE	FLARES	N/A	63FFFF-611	40 CFR Part 63, Subpart FFFF	~~Empty~~No changing attributes.
LDFTOVNT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	Testing Requirements = Process knowledge to determine maximum potential HRVOC hourly emissions for analyzer vents, stream system vents, vent gas streams with no HRVOC except during emission event or degassing safety device in lieu of testing., Waived Testing = The executive director has not waived testing for identical vents.
LDFTOVNT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5720-1T	30 TAC Chapter 115, HRVOC Vent Gas	Testing Requirements = Meeting § 115.725(a)., Waived Testing = The executive director waived testing for identical vents.
LDFTOVNT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
LDFTOVNT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63FFFF-1	40 CFR Part 63, Subpart FFFF	No changing attributes.
~~MBPPFUGEM~~	~~FUGITIVE EMISSION UNITS~~	~~N/A~~	~~R5780-ALL~~	~~30 TAC Chapter 115, HRVOC Fugitive Emissions~~	~~No changing attributes.~~
MBPPFUGEM	FUGITIVE EMISSION UNITS	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
MBPPFUGEM	FUGITIVE EMISSION UNITS	N/A	60DDD-ALL	40 CFR Part 60, Subpart DDD	No changing attributes.
MBPPFUGEM	FUGITIVE EMISSION	N/A	63FFFF-01	40 CFR Part 63, Subpart	No changing attributes.

Commented [ST10]: SOP index numbers were updated with the UA-7 submitted for 63FFFF pointing to MACT CC on 5/8/25. MBPP requests to update this SOP Index to 63FFFF-11 to avoid duplicated SOP index numbers referring to different requirements.

Commented [ST11]: MBPP requests to remove this SOP index number for fugitives subject to HRVOC. These are covered already with Unit FUGHRVOC.

MBPP requests to rescind this SOP index addition request submitted on 2/28/25.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3UFLARE62	EU	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
3UFLARE62	EP	R5720-1	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(n) ~~[G]§ 115.726(a)(2)~~	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) ~~§ 115.725(k)(1)~~	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) ~~§ 115.726(d)(10)~~ § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B) ~~[G]§ 115.726(a)(2)~~
3UFLARE62	EP	R5720-5	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§	§ 115.725(m)(1) § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2)	§ 115.725(n) § 115.726(a)(1)(B)

Commented [ST12]: MBPP requests to remove these citations as this flare is in 'OTHER' service.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(n)	(65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(m)(1)	§ 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	
~~3UFLARE62~~	~~CD~~	~~60A-1~~	~~Opacity~~	~~40 CFR Part 60, Subpart A~~	~~§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)~~	~~Flares shall comply with paragraphs (c)-(f) of § 60.18.~~	~~§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)~~	~~None~~	~~None~~
~~3UFLARE62~~	~~CD~~	~~60A-2~~	~~Opacity~~	~~40 CFR Part 60, Subpart A~~	~~§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)~~	~~Flares shall comply with paragraphs (c)-(f) of § 60.18.~~	~~§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)~~	~~None~~	~~None~~
~~3UFLARE62~~	~~CD~~	~~60A-3~~	~~Opacity~~	~~40 CFR Part 60, Subpart A~~	~~§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii)~~	~~Flares shall comply with paragraphs (c)-(f) of § 60.18.~~	~~§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3)~~	~~None~~	~~None~~

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					~~§ 60.18(c)(4)(ii)~~ ~~§ 60.18(c)(6)~~ ~~§ 60.18(e)~~		~~§ 60.18(f)(4)~~		
3UFLARE62	CD	60A-4	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None
3UFLARE62	CD	60A-5	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None
3UFLARE62	CD	60A-6	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None
~~3UFLARE62~~	~~CD~~	~~63A-1~~	~~Opacity~~	~~40 CFR Part 63, Subpart A~~	~~§ 63.11(b)(4)~~ ~~§ 63.11(b)(1)~~ ~~§ 63.11(b)(2)~~ ~~§ 63.11(b)(3)~~ ~~§ 63.11(b)(5)~~ ~~§ 63.11(b)(6)(ii)~~ ~~§ 63.11(b)(7)(i)~~	~~Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.~~	~~§ 63.11(b)(4)~~ ~~§ 63.11(b)(5)~~ ~~§ 63.11(b)(7)(i)~~	~~None~~	~~None~~
~~3UFLARE62~~	~~CD~~	~~63A-2~~	~~Opacity~~	~~40 CFR Part 63, Subpart A~~	~~§ 63.11(b)(4)~~ ~~§ 63.11(b)(1)~~ ~~§ 63.11(b)(2)~~	~~Flares shall be designed and operated with no visible emissions, except for~~	~~§ 63.11(b)(4)~~ ~~§ 63.11(b)(5)~~ ~~§ 63.11(b)(7)(i)~~	~~None~~	~~None~~

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					~~§ 63.11(b)(3)~~ ~~§ 63.11(b)(5)~~ ~~§ 63.11(b)(6)(ii)~~ ~~§ 63.11(b)(7)(iii)~~	~~periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.~~			
~~3UFLARE62~~	~~CD~~	~~63A-3~~	~~Opacity~~	~~40 CFR Part 63, Subpart A~~	~~§ 63.11(b)(4)~~ ~~§ 63.11(b)(1)~~ ~~§ 63.11(b)(2)~~ ~~§ 63.11(b)(3)~~ ~~§ 63.11(b)(5)~~ ~~§ 63.11(b)(6)(ii)~~ ~~§ 63.11(b)(7)(ii)~~	~~Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.~~	~~§ 63.11(b)(4)~~ ~~§ 63.11(b)(5)~~ ~~§ 63.11(b)(7)(i)~~	~~None~~	~~None~~
3UFLARE62	CD	63A-4	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5)	None	None
3UFLARE62	CD	63A-5	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5)	None	None
3UFLARE62	CD	63A-6	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.			
3UFLARE62	CD	63FFFF-10	112(B) HAPS Opacity	40 CFR Part 63, Subpart CCFFFF	§ 63.670(c) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(f) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(f) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.670(n) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	[G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	[G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)
3UFLARE62	CD	63FFFF-8	112(B) HAPS	40 CFR Part 63, Subpart CCFFFF	§ 63.670(c) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(1) § 63.670(e) § 63.670(f) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall	§ 63.670(b) § 63.670(c) § 63.670(d)(1) § 63.670(e) § 63.670(f) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(m) [G]§ 63.670(n) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c)	[G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	[G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(o)(2) § 63.670(q)

Commented [ST13]: Can this be manually updated to HAP or is the pollutant automatically generated based on our OP-UA7 responses?

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.671(c)	monitor for visible emissions from the flare as specified in §63.670(h).	[G]§ 63.671(d) [G]§ 63.671(e)		
3UFLARE62	EU	63FFFF-~~6~~11	112(B) HAPS	40 CFR Part 63, Subpart FFFF	[G]§ 63.2450(e)(5) § 63.2450(a) § 63.670	For any flare that is used to reduce organic HAP emissions from an MCPU, comply with the requirements of §63.2450(e)(5).	None	[G]§ 63.2525(m)	§ 63.2520(d)(3) § 63.2520(e) [G]§ 63.2520(e)(11)
3UFLARE63	EU	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
3UFLARE63	EP	R5720-2	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) §	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) ~~§ 115.726(d)(10)~~ § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B) ~~[G]§ 115.726(a)(2)~~

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(n) ~~[G]§ 115.726(a)(2)~~		§ 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) ~~§ 115.725(k)(1)~~		
3UFLARE63	EP	R5720-5	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(n)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(m)(1)	§ 115.725(m)(1) § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)
3UFLARE63	CD	60A-1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ **See Alternative Requirements § 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
3UFLARE63	CD	60A-2	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1)	Flares shall comply with paragraphs (c)-(f) of §	§ **See Alternative Requirements	None	None

Commented [ST14]: MBPP requests to remove these citations as this flare is in 'OTHER' service.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(n)	through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(m)(1)	§ 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	
HDFLARE	CD	60A-1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
HDFLARE	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
HDFLARE	CD	63FFFF-6	112(B)	40 CFR Part 63,	§ 63.670(c)	Visible emissions. The	§ 63.670(b)	[G]§ 63.670(h)	[G]§ 63.670(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS~~O~~pacity	Subpart ~~CC~~FFFF	§ 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(1) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.670(c) § 63.670(d)(1) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	[G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	[G]§ 63.670(j) [G]§ 63.670(o)(2) § 63.670(q)
HDFLARE	CD	63FFFF-9	112(B) HAPS~~O~~pacity	40 CFR Part 63, Subpart ~~CC~~FFFF	§ 63.670(c) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	[G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	[G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)
HDFLARE	EU	63FFFF-~~6~~11	112(B) HAPS	40 CFR Part 63, Subpart FFFF	[G]§ 63.2450(e)(5) § 63.2450(a) § 63.670	For any flare that is used to reduce organic HAP emissions from an MCPU,	None	[G]§ 63.2525(m)	§ 63.2520(d)(3) § 63.2520(e) [G]§ 63.2520(e)(11)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						division with the exception of § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy.			
HDVVANALY	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(3)(A) [G]§ 115.122(a)(4) § 115.127(a)(3)	A vent gas stream having a combined weight of VOC < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from the requirements of §115.121(a)(2)(B)-(E) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
HDWAXRACK	EU	R5212-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
HEXANE RACK	EU	R5212-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
HEXANE	EU	63EEEE-	112(B)	40 CFR Part 63,	§ 63.2343(a)	For each transfer rack	None	§ 63.2343(a)	None

Commented [ST15]: Moved to recordkeeping requirement section to be consistent with the TCEQ flowchart

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
RACK		TR	HAPS	Subpart EEEE	~~§ 63.2343(a)~~	subject to this subpart that only unloads organic liquids (i.e., no organic liquids are loaded at any of the transfer racks), you must keep documentation that verifies that each transfer rack identified in §63.2343(a) is not required to be controlled.		~~None~~	
HEXENE CAT	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a) § 63.2450(l) § 63.2460(c)(1)	This subpart applies to each miscellaneous organic chemical manufacturing affected source.	§ 63.2445(d) § 63.2460(c)(2)(v)	§ 63.2525 § 63.2525(a) [G]§ 63.2525(b) § 63.2525(c) § 63.2525(e) § 63.2525(e)(2) § 63.2525(e)(3) [G]§ 63.2525(e)(4) § 63.2525(f) § 63.2525(j)	§ 63.2435(d) § 63.2445(c) § 63.2450(g)(5) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2460(c)(1) § 63.2515(a) § 63.2515(b)(1) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) [G]§ 63.2520(c) [G]§ 63.2520(d) § 63.2520(e) § 63.2520(e)(1) [G]§ 63.2520(e)(10) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) [G]§ 63.2520(e)(5)(ii) [G]§ 63.2520(e)(5)(iii) § 63.2520(e)(5)(iv) § 63.2520(e)(6) § 63.2520(e)(7) § 63.2520(e)(9)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CK				115, Loading and Unloading of VOC	§ 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	
L1ANALYZER	EP	R5720-10	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) § 115.725(n)	All sites that are subject to this division and that are located in the Houston/Galveston/ Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules).	§ 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(b)(2)	§ 115.726(b)(2) § 115.726(b)(3) § 115.726(b)(7) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	[G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n)
~~L1ANALYZER~~	~~EP~~	~~R5720-4~~	~~Highly Reactive VOC~~	~~30 TAC Chapter 115, HRVOC Vent Gas~~	~~§ 115.727(c)(2)~~	~~A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for~~	~~None~~	~~§ 115.726(e)(3)(A) § 115.726(j)(2)~~	~~None~~

Commented [ST16]: MBPP requests to remove this SOP index number for this Unit ID as summarized earlier.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						~~the account specified in § 115.722(a) or (b) of this title than 0.5 tpy.~~			
L1ANALYZER	EP	R5121-5	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
L1CPVBOILR	EP	R5720-9	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(f) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) § 115.725(n) [G]§ 115.726(a)(2)	All sites that are subject to this division and that are located in the Houston/Galveston/ Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules).	§ 115.725(a) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) § 115.725(a)(3)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(6)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	[G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2)
L1CPVBOILR	EP	R5121-9	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(C)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
L1CPVFLAR	EP	R5720-2	Highly	30 TAC Chapter	§ 115.727(f)	All sites that are subject to	None	§ 115.726(i)	§ 115.725(n)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(n)	gas containing HRVOC is being routed to the flare.	§ 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(m)(1)	§ 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	
LDFLARE	CD	60A-1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
LDFLARE	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
LDFLARE	CD	63FFFF-6	112(B) HAPS~~Opacity~~	40 CFR Part 63, Subpart ~~CC~~FFFF	§ 63.670(c) § 63.670 § 63.670(b)	Visible emissions. The owner or operator shall specify the smokeless	§ 63.670(b) § 63.670(c) § 63.670(d)(1)	[G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j)	[G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(o)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.670(d) § 63.670(d)(1) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	[G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.670(q)
LDFLARE	CD	63FFFF-9	112(B) HAPS~~Opacity~~	40 CFR Part 63, Subpart ~~CC~~FFFF	§ 63.670(c) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	[G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	[G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)
LDFLARE	EU	63FFFF-~~6~~11	112(B) HAPS	40 CFR Part 63, Subpart FFFF	[G]§ 63.2450(e)(5) § 63.2450(a) § 63.670	For any flare that is used to reduce organic HAP emissions from an MCPU, comply with the requirements of	None	[G]§ 63.2525(m)	§ 63.2520(d)(3) § 63.2520(e) [G]§ 63.2520(e)(11)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.997(e)(2)(i) § 63.997(e)(2)(i)(B) § 63.997(e)(2)(ii) § 63.997(e)(2)(iii) § 63.997(e)(2)(iii)(A) [G]§ 63.997(e)(2)(iii)(B) [G]§ 63.997(e)(2)(iii)(C) [G]§ 63.997(e)(2)(iii)(D) [G]§ 63.997(e)(2)(iii)(E)		
~~MBPPFUGEM~~	~~EU~~	~~R5780-ALL~~	~~Highly Reactive VOC~~	~~30 TAC Chapter 115, HRVOC Fugitive Emissions~~	~~§ 115.781(b)(9)~~ ~~§ 115.780(b)~~ ~~[G]§ 115.781(a)~~ ~~§ 115.781(g)(3)~~ ~~§ 115.782(a)~~ ~~§ 115.782(b)(1)~~ ~~§ 115.782(b)(2)~~ ~~§ 115.782(c)(1)~~ ~~§ 115.782(c)(1)(A)~~ ~~§ 115.782(c)(1)(B)~~ ~~[G]§ 115.782(c)(1)(B)(i)~~ ~~§ 115.782(c)(1)(B)(ii)~~ ~~[G]§ 115.782(c)(1)(B)(iii)~~ ~~§ 115.782(c)(1)(B)(iv)~~ ~~§ 115.782(c)(1)(C)(i)~~ ~~§ 115.782(c)(1)(C)(i)(I)~~ ~~§ 115.782(c)(1)(C)(i)(II)~~	~~Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.~~	~~§ 115.354(1)~~ ~~§ 115.354(10)~~ ~~§ 115.354(2)~~ ~~§ 115.354(5)~~ ~~§ 115.354(6)~~ ~~§ 115.354(9)~~ ~~§ 115.781(b)~~ ~~§ 115.781(b)(10)~~ ~~§ 115.781(b)(4)~~ ~~§ 115.781(b)(7)~~ ~~§ 115.781(b)(7)(A)~~ ~~§ 115.781(b)(7)(B)~~ ~~§ 115.781(c)(1)~~ ~~§ 115.781(c)(2)~~ ~~§ 115.781(g)~~ ~~§ 115.781(g)(1)~~ ~~§ 115.781(g)(2)~~ ~~§ 115.782(d)(2)~~	~~§ 115.354(10)~~ ~~§ 115.356~~ ~~[G]§ 115.356(1)~~ ~~[G]§ 115.356(2)~~ ~~§ 115.356(3)~~ ~~§ 115.356(3)(A)~~ ~~§ 115.356(3)(B)~~ ~~§ 115.356(5)~~ ~~§ 115.781(b)(10)~~ ~~§ 115.781(g)~~ ~~§ 115.781(g)(1)~~ ~~§ 115.781(g)(2)~~ ~~§ 115.781(g)(3)~~ ~~[G]§ 115.782(c)(1)(B)(i)~~ ~~[G]§ 115.786(c)~~ ~~§ 115.786(d)~~ ~~§ 115.786(d)(1)~~ ~~§ 115.786(d)(2)~~ ~~§ 115.786(d)(2)(A)~~ ~~§ 115.786(d)(2)(B)~~ ~~§ 115.786(d)(2)(C)~~ ~~§ 115.786(e)~~ ~~§ 115.786(g)~~	~~[G]§ 115.782(c)(1)(B)(i)~~ ~~§ 115.783(3)(C)~~ ~~[G]§ 115.786(c)~~

Commented [ST17]: MBPP requests to withdraw the addition of HRVOC requirements to MBPPFUGEM as those are covered already in UNIT ID FUGHRVOC.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii)	Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.788(a)(3)(B) [G]§ 115.788(g)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.783(4)(A)(i) § 115.783(4)(A)(ii) § 115.783(4)(A)(ii)(I) § 115.783(4)(A)(ii)(II) § 115.783(4)(B) § 115.783(4)(B)(i) § 115.783(4)(B)(ii)	Process drains within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(5) § 115.781(b)(6) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(a)	Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except	None	§ 115.786(e) § 115.786(g)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						for 115.786(c) and (g) of this title (relating to Record keeping Requirements).			
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.786(a)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A) § 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	defined as a screening concentration greater than 500 ppmv above background as methane for all components.		§ 115.786(b)(2)(C) [G]§ 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§	All agitators that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	All compressors that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) §	All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I)	Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II)	Agitators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)				
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.358(c)(1) [G]§ 115.358(h) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(2) § 115.782(b)(3) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Components within the process unit or processes listed in §115.780(a) is subject to the requirements of this division. If the owner of operator elects to use the alternative work practice in §115.358 of this title, a leak is defined as specified in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f) § 115.781(b) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(h)(1) § 115.781(h)(2) § 115.781(h)(3) § 115.781(h)(4) § 115.781(h)(5) [G]§ 115.781(h)(6) § 115.782(b)(4)	§ 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(4) § 115.356(5) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) [G]§ 115.786(f) § 115.786(g)	[G]§ 115.358(g) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 115.782(d)(1) § 115.788(h)(1) [G]§ 115.788(h)(2) § 115.788(h)(3)		
MBPPFUGEM	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
MBPPFUGEM	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
RUPK31	EU	R7300-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(e) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(7) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
RUPK31	EU	60DC-1	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
RUPK31	EU	60DC-1	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Commented [ST18]: MBPP requests to add back in the citations for CO.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
RUPK32	EU	R7300-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(e) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(7) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
RUPK32	EU	60DC-1	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Commented [ST19]: MBPP requests to add back in the citations for CO.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
L1TKAST1B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 75 cubic meters
L1TKBUTANE	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is less than or equal to 151,416 liters (40,000 gallons)
L1TKV-06151	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 75 cubic meters
LDBLR1	N/A	40 CFR Part 60, Subpart D	Heat input for fossil fuel fired steam generating unit is less than 250 MMBtu/hr
LDBLR1	N/A	40 CFR Part 60, Subpart Db	Unit was constructed, modified, or reconstructed before June 19, 1984
LDBLR2	N/A	40 CFR Part 60, Subpart D	Heat input for fossil fuel fired steam generating unit is less than 250 MMBtu/hr
LDBLR2	N/A	40 CFR Part 60, Subpart Db	Unit was constructed, modified, or reconstructed before June 19, 1984
LDCOOLTWR	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use any chromium-based water treatment chemicals.
LDFLARE	N/A	30 TAC Chapter 117, Commercial	Flares, incinerators, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt from the provisions of this division.
PEXTK1	N/A	40 CFR Part 60, Subpart Kb	Storage tank is subject to control under 40 CFR Part 60, Subpart Kb and electing to comply only with requirements for Group 1 storage tanks in 40 CFR Part 63, Subpart FFFF.
PEXWW	N/A	30 TAC Chapter 115, Industrial Wastewater	VOC concentration less than 1,000 parts per million by weight.
RLD01	N/A	30 TAC Chapter 115, Storage of VOCs	Design capacity less than 1,000 gallons.

Commented [ST20]: MBPP requests to add permit shield for Db due to the boiler rating and construction year.

Commented [ST21]: MBPP requests to add permit shield for Db due to the boiler rating and construction year.

Jasmine Yuan

From: Jasmine Yuan
Sent: Thursday, June 12, 2025 4:49 PM
To: 'Thanapal, Siva Sankar'
Cc: Korenek, Allison; Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: SOP Draft.docx

Hi Siva

I have conducted a technical review of *renewal* application for Exxon Mobil Corporation Mont Belvieu Plastics Plant. An electronic copy of the Working Draft Permit (WDP) is attached 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 on the working draft permit by *Due 06/27/2025* . *Any comments outside the scope of the most recent changes should be submitted as a separate project*.

Please review the second portion of the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified application information, including application updates supporting the WDP comments, is required. After final review of the WDP, additional changes supported by application updates may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that was not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

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

Please notify me when these updates have been submitted.

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

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,
Jasmine Yuan

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Friday, June 6, 2025 3:23 PM
To: Jasmine Yuan
Cc: Korenek, Allison; Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: OP-MON.pdf; OP-UA4 Table 11.pdf; OP-PBRSUP_Updated.pdf

Good afternoon Jasmine,

Thanks for the update. Included brief responses to your request below.

1. The two boilers LDBLR1 and LDBLR2 are natural gas fired boilers with a maximum rated capacity of less than 50 MMBtu/hr. Because the rule applicability thresholds incorporate both size and date of construction/modification and both factors are pertinent, MBPP prefers to retain the existing permit shields indicating why these boilers are not subject to NSPS D/Db/Dc requirements.
2. Please find attached the updated OP-MON incorporating the requested edits.
3. Please find attached the latest OP-UA4 Table 11 for MACT EEEE.
4. Please find attached the updated OP-PBRSUP dated 6/6/25. Recently authorized PBRs 179294 and 177871 have been added to Tables A and D.

Let me know if additional details are needed.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 11		
Unit/EPN/Group/Process ID No.: LDBLR1		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the emission factor from latest stack test will be used to calculate the average hourly CO emissions. The calculated CO emission rate shall be less than the deviation limit determined at the CO concentration limit of 400 ppmv at 3% O2 and the recorded hourly fuel usage. Any calculated emission rate above the maximum limit shall be considered and reported as a deviation.

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 14		
Unit/EPN/Group/Process ID No.: LDBLR2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the emission factor from latest stack test will be used to calculate the average hourly CO emissions. The calculated CO emission rate shall be less than the deviation limit determined at the CO concentration limit of 400 ppmv at 3% O2 and the recorded hourly fuel usage. Any calculated emission rate above the maximum limit shall be considered and reported as a deviation.

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 15		
Unit/EPN/Group/Process ID No.: HDBLR3		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the emission factor from latest stack test will be used to calculate the average hourly CO emissions. The calculated CO emission rate shall be less than the deviation limit determined at the CO concentration limit of 400 ppmv at 3% O2 and the recorded hourly fuel usage. Any calculated emission rate above the maximum limit shall be considered and reported as a deviation.

Loading/Unloading Operations Attributes
Form OP-UA04 (Page 21)
Federal Operating Permit Program
Table 11a: Title 40 Code of Federal Regulations Part 63(40 CFR Part 63)
Subpart EEEE: National Emission Standard for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
06/06/2025	O2276	RN102501020

Unit ID No.	SOP Index No.	Means of Compliance	Emission Type	Combination of Control Devices	Control Device	Control Device ID No	Meets 63.988(b)(2)	Performance Test	Continuous Monitoring System
HEXANE RACK	63EEEE-TR	UNLOAD							

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

Date	Permit Number	Regulated Entity Number
06/06/2025	O2276	RN102501020

Unit ID No.	Registration No.	PBR No.	Registration Date
L1VV03290	53389	106.262 / 09/04/2000	11/25/2002
L1VV06143	53389	106.262 / 09/04/2000	11/25/2002
L1SF06143	53389	106.262 / 09/04/2000	11/25/2002
BR-13001	147496	106.261 / 11/01/2003	7/27/2017
BR-13002	147496	106.261 / 11/01/2003	7/27/2017
BR-23158	147496	106.261 / 11/01/2003	7/27/2017
BR-24163	147496	106.261 / 11/01/2003	7/27/2017
BR-24164	147496	106.261 / 11/01/2003	7/27/2017
ENG1	153086	106.512 / 06/13/2001	8/30/2018
ENG2	153086	106.512 / 06/13/2001	8/30/2018
STK	153086	106.146 / 09/04/2000	8/30/2018
RCC	153086	106.146 / 09/04/2000	8/30/2018
VEH	153086	106.146 / 09/04/2000	8/30/2018
MBPPFUGEM	163891	106.261 / 11/01/2003	7/26/2021
MBPPFUGEM	165992	106.261 / 11/01/2003	7/30/2021
MBPPFUGEM	165992	106.262 / 11/01/2003	7/30/2021
MBPPFUGEM	168992	106.261 / 11/01/2003	5/27/2022
MBPPFUGEM	168992	106.262 / 11/01/2003	5/27/2022
MBPPFUGEM	170124	106.262 / 11/01/2003	9/9/2022
MBPPFUGEM	172156	106.261 / 11/01/2003	3/31/2023
RUPK71	172502	106.261 / 11/01/2003	5/8/2023

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

Date	Permit Number	Regulated Entity Number
06/06/2025	O2276	RN102501020

Unit ID No.	Registration No.	PBR No.	Registration Date
RUPK71	172502	106.262 / 11/01/2003	5/8/2023
MBPPFUGEM	172502	106.261 / 11/01/2003	5/8/2023
MBPPFUGEM	172502	106.262 / 11/01/2003	5/8/2023
L1ANALYZER	175548	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175548	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175556	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175556	106.262 / 11/01/2003	3/8/2024
MBPPFUGEM	177109	106.261 / 11/01/2003	8/8/2024
MBPPFUGEM	177109	106.262 / 11/01/2003	8/8/2024
MBPPFUGEM	**177871**	**106.261 / 11/01/2003**	**10/21/2024**
MBPPFUGEM	**177871**	**106.262 / 11/01/2003**	**10/21/2024**
MBPPFUGEM	**179294**	**106.261 / 11/01/2003**	**3/12/2025**

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date
RUPK71	106.263	11/01/2001
MBPPFUGEM	106.263	11/01/2001
HDFLARE	106.263	11/01/2001
4MDC02	106.124	09/04/2000
REFRIG	106.373	09/04/2000
WELDING	106.227	09/04/2000
MBPPFUGEM	106.532	09/04/2000
CHEMUNLOAD	106.472	09/04/2000
ENG02GENTK	106.472	09/04/2000
OILYWRACK	106.472	03/14/1997
TEMPTK1	106.473	09/04/2000
TEMPTK2	106.473	09/04/2000
HDTK95050	106.473	09/04/2000
HDTK6510	106.473	09/04/2000
L1TK92026	106.473	09/04/2000
DEGREASER6	106.454	11/01/2001
ENG01FF	**106.511**	**03/14/1997**
ENG02GEN	**106.511**	**03/14/1997**
ENG03GEN	**106.511**	**09/04/2000**
TSAUSE	**106.320**	**09/04/2000**
FUELDISP	**106.412**	**03/14/1997**

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
06/06/2025	O2276	RN102501020

PBR No.	Version No./Date
106.122	09/04/2000
106.451	09/04/2000
75	03/15/1985

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1VV03290	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
L1VV06143	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
L1SF06143	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
BR-13001	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
BR-13002	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-23158	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-24163	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-24164	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
ENG1	106.512	153086	The operating hours and/or fuel usage of the engine are monitored and recorded.
ENG2	106.512	153086	The operating hours and/or fuel usage of the engine are monitored and recorded.
STK	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
RCC	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
VEH	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.261	163891	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	165992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	165992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.262	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.262	170124	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	172156	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
RUPK71	106.261	172502	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
RUPK71	106.262	172502	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	172502	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	172502	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
L1ANALYZER	106.261	175548	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.261	175548	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.262	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	177109	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	177109	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
RUPK71	106.263	11/01/2001	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.263	11/01/2001	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
HDFLARE	106.263	11/01/2001	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
4MDC02	106.124	36773	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
REFRIG	106.373	36773	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
WELDING	106.227	09/04/2000	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.532	09/04/2000	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
TEMPTK1	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
TEMPTK2	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
HDTK95050	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
HDTK6510	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
DEGREASER6	106.454	11/1/2001	Comply with Periodic Monitoring requirements for 30 TAC Chapter 115, Degreasing Processes: Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation. Indicator: Visual Inspection Minimum Frequency: Monthly
CHEMUNLOAD	106.472	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
ENG02GENTK	106.472	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
OILYWRACK	106.472	03/14/1997	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
L1TK92026	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
ENG01FF	**106.511**	**3/14/1997**	**The operating hours and/or fuel usage of the engine are monitored and recorded.**

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
ENG02GEN	106.511	3/14/1997	The operating hours and/or fuel usage of the engine are monitored and recorded.
ENG03GEN	106.511	9/4/2000	The operating hours and/or fuel usage of the engine are monitored and recorded.
MBPPFUGEM	106.261	177871	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	177871	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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
06/06/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	**106.261**	**179294**	**Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.**
TSAUSE	**106.320**	**9/4/2000**	**Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.**
FUELDISP	**106.412**	**3/14/1997**	**A description of equipment used exclusively to store and dispense motor fuels into heavy and light-duty motor vehicles and marine vessels or other watercraft, aircraft, and railroad locomotive engines is recorded.**

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Friday, June 6, 2025 3:23 PM
To: Jasmine Yuan
Cc: Korenek, Allison; Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: OP-MON.pdf; OP-UA4 Table 11.pdf; OP-PBRSUP_Updated.pdf

Good afternoon Jasmine,

Thanks for the update. Included brief responses to your request below.

1. The two boilers LDBLR1 and LDBLR2 are natural gas fired boilers with a maximum rated capacity of less than 50 MMBtu/hr. Because the rule applicability thresholds incorporate both size and date of construction/modification and both factors are pertinent, MBPP prefers to retain the existing permit shields indicating why these boilers are not subject to NSPS D/Db/Dc requirements.
2. Please find attached the updated OP-MON incorporating the requested edits.
3. Please find attached the latest OP-UA4 Table 11 for MACT EEEE.
4. Please find attached the updated OP-PBRSUP dated 6/6/25. Recently authorized PBRs 179294 and 177871 have been added to Tables A and D.

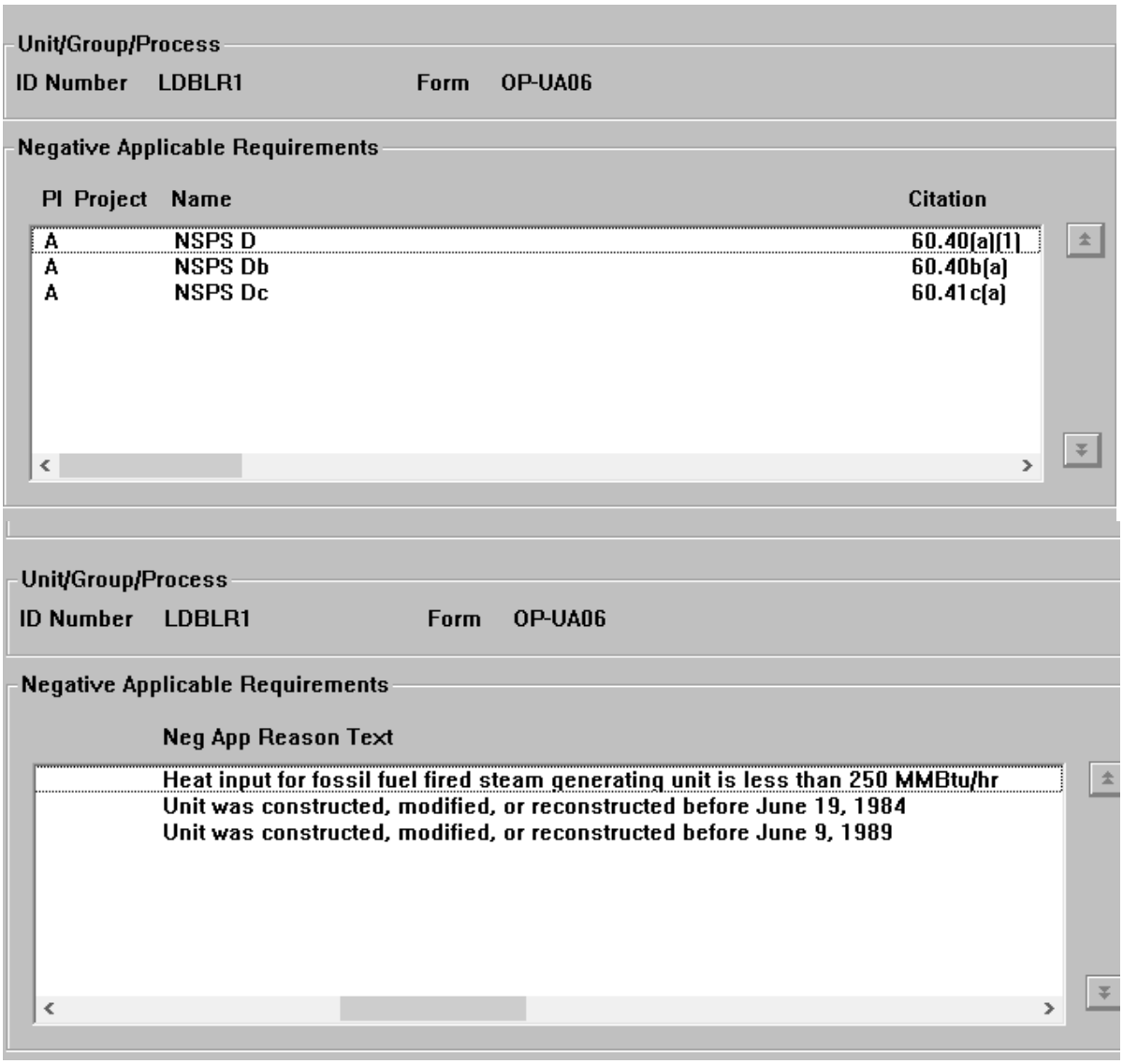
Let me know if additional details are needed.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Thursday, May 29, 2025 5:36 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Siva,
When I was drafting the permit, I noticed additional issues:

1. Unit LDBLR1 and LDBLR2 have permit shields NSPS D, Db, Dc as follows. For such time series rule, you only need to have one permit shield NSPS D as the boiler is in that time period. For Db after 1984 and Dc AFTER 1989, it is obvious thing. We usually only include one permit shield for such rules, D, K, TTTT, OOOO series etc.



2. For the case by case PM, you provided two sets of data in your justification. One for the permit data, and the other are actual emissions based off the stack test data. You need to confirm which they are using and amend the proposal accordingly. The applicant's request to use the 400 ppmv deviation limit when the periodic monitoring text references the permitted CO limit as the deviation limit is not correct. Attached is a document with his comments. Please review.
3. MACT EEEE RRT was just developed a couple of weeks ago. Please submit UA4 MACT EEEE tables for the following unit to replace its outdated high level requirements.

						division, except for the specified requirements.		
HEXANE	EU	63EEEE-	112(B)	40 CFR Part 63,	§ 63.2338(b)	The permit holder shall	The permit holder	The p

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Re R (30
RACK		TR	HAPS	Subpart EEEE	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	compl applic record requir Part 6
HEXENE CAT	PRO	63FFFF-1	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2440(a) § 63.2450(a)	This subpart applies to each miscellaneous organic	§ 63.2445(d) § 63.2460(c)(2)(v)	§ 63.2 § 63.2

4. OP-PBRSUP contains errors. Some PBRs listed on OP-REQ1 Page 86-87 are not included in the PBRSUP, such as 106.511. Second, according to OP-PBRSUP, PBR106.320 and 412 should be in Table A and B, not Table C.
   We are cross checking the OP-REQ1 PBR list and PBRSUP forms. When you send me the PBRSUP, please submit four tables as a set with new date. Do you need to add PBR179294 and 177871 to Table A?

   Please respond to this email by 06/06. I will send you permit draft next email.
   Thanks
   Jasmine

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Monday, May 12, 2025 7:49 AM
To: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Good morning Jasmine,

We have included the OP-MON with case-by-case PM for the three boilers in our April 3, 2025 update. Please find attached the submitted file for your reference and let us know if additional details are needed.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Friday, May 9, 2025 9:56 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Siva,
Thank you for the UA7 form.
I thought I could generate the permit draft for you to review with this email.
However, there are still roadblocks preventing the draft due to macro.
The units HDBLR3, LDBLR1, and LDBLR2 are subject to PM for 30 TAC Chapter 117, Subpart B, for pollutant CO per main standard 117.310c1.
The PM Option PM-C-001 is commonly used for this case. Or you case use case by case PM.
So please send me the OP-MON for these three units by next Friday.
Thanks
Jasmine

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Thursday, May 8, 2025 12:40 PM
To: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Good afternoon Jasmine,

Please find attached the UA-7 with Table 6 filled out for the three flares – HDFLARE, LDFLARE, and 3UFLARE62. Please let me know if additional details are needed.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 7)
Federal Operating Permit Program
Table 6: Title Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Date	Permit No.:	Regulated Entity No.
05/08/2025	O2276	RN102501020

Unit ID No.	SOP Index No.	Flare Applicability	Operating Limits	AMEL ID No.	Flare Tip Velocity	Perimeter Assist Air
LDFLARE	63FFFF-6	OTHER	REGOP		60-	NONE
HDFLARE	63FFFF-6	OTHER	REGOP		60-	NONE
3UFLARE62	63FFFF-8	OTHER	REGOP		60-	AIR-F
LDFLARE	63FFFF-9	OTHER	REGOP		60-400	NONE
HDFLARE	63FFFF-9	OTHER	REGOP		60-400	NONE
3UFLARE62	63FFFF-10	OTHER	REGOP		60-400	AIR-F

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Thursday, April 24, 2025 10:25 AM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Siva
For the manual build, you forgot to send me UA7 MACT CC table for three flares LDFLARE, HDFLARE, and 3UFLARE62.

The detailed breakdown of 63.670 and 63.671 citations is picked up from the UA-07 attributes on the MACT CC table (since that is where these citations are referenced from) so those will be in a separate row. The applicant needs to fill out that table for these three flares.
For 63.670, as I explained in my note, that reference citation needs to remain. It is just like for other rules how we would include 60.18 or 63.11(b) when those were referenced.

Please send me the UA7 MACT CC Table at your earliest convenience.
Thank you!
Jasmine

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Friday, April 18, 2025 3:37 PM
To: Jasmine Yuan
Cc: Korenek, Allison; Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: manual build MACT 4F for project 37206_MBPP response.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Jasmine,

Please find attached the responses to the MACT 4F manual build citations. Comments added and edits made are in blue fonts.

Included a brief response to the request on boiler PM requirements below. Let me know if additional details are needed.

Permit basis factors used to establish the CO emission limits for the three boilers are summarized in Table 1. Concentration of CO derived from the permit basis factors using natural gas Fd of 8710 dscf/MMbtu is also presented in Table 1 to show that they are well below the 30 TAC Chapter 117 limit of 400 ppmv at 3% O2. As the permit limits are established using factors which are below 400 ppmv at 3% O2, staying within the permit limits ensures the CO concentrations limits are also met.

Table 1. Permit Basis Factors and Concentration for CO

	Permit Basis		
UNIT ID	Permit basis (lb/MMBtu)	CO (ppmv @ 3% O2)	Below § 117.310(c)(1) limit?
HDBLR3	0.200	271	Yes
LDBLR1	0.082	111	Yes
LDBLR2	0.082	111	Yes

In order to estimate actual emissions, recent stack test factors will be utilized along with the fuel flow and fuel heat content. Table 2 has the emission factors from the recent stack tests on these sources. CO concentrations from the recent stack test are also below the limit of 400 ppmv at 3% O2.

Table 2. Stack Test Factors and Concentration for CO

	Recent Stack test			
UNIT ID	Year	Stack Test (lb/mmbtu)	Stack Test CO (ppmv @ 3% O2)	Below § 117.310(c)(1) limit?
HDBLR3	2022	0.046	62.74	Yes
LDBLR1	2021	0.001	1.9	Yes
LDBLR2	2022	0.0001	0.14	Yes

Since the emission limit or standard that the three boilers are subject to is § 117.310(c)(1)(B), MBPP requests to have the deviation limit to be the same as the standard of 400 ppmv at 3% O2. MBPP will measure and record the fuel usage as required in NSR Permit 19016 SC 14 with a downtime not to exceed 5% of the time that the boiler is operated over the previous rolling 12-month period. Fuel usage along with the appropriate emission factor will be used to calculate the average hourly CO emissions to ensure compliance with the permit limit and in turn § 117.310(c)(1)(B) as discussed above.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Wednesday, April 9, 2025 7:47 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Siva,

For the PM for the boilers emission limit in 30 TAC Chapter 117 § 117.310(c)(1) :

The requested monitoring is for measuring and recording the hourly fuel usage and then using it with an emission factor to calculate the average hourly CO emissions and then comparing that to an hourly CO permit limit. While the permitted hourly CO limit should be below 400 ppmv, we require justification showing that.

Also, the deviation limit should include the hourly fuel usage since that is what is being monitored to determine what the hourly CO emissions are. Please provide justification showing how the hourly fuel usage and emission factor calculations show that the unit is in compliance with the emission limit from 30 TAC Chapter 117. Justification may include data obtained during the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data to justify the deviation limit.

Thank you!
Sincerely,
Jasmine Yuan
Permit Reviewer – Title V

From: Jasmine Yuan
Sent: Wednesday, April 9, 2025 11:16 AM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Siva,

My technical Specialist Carolyn Maus finished the manual edits and build review. Her comments are in attachment.
Please respond to each item in different font, for example, providing your thoughts on the flare manual edits, confirming her edits on the citations, etc.
Please respond to this email by 04/18.
Thanks
Jasmine

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Thursday, April 3, 2025 5:40 PM
To: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>; Mak, Christy <christy.mak@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Jasmine,

Included brief responses to your requests below. Let me know if additional details are needed.

1. Please find attached the updated OP-2, OP-SUMR and OP-MON addressing item 1. Please note that these updates are with respect to the February 28, 2025 submittal. New/updated information is in bold and strikethroughs indicate information to be deleted. MBPP withdraws the request to group all boilers for PM.
2. Page 6 of Form OP-UA7 submitted on February 28, 2025 only includes the requested edits in bold for SOP Index number updates with respect to the renewal application. Rest of the information submitted in OP-UA7 dated September 25, 2024 stays the same.
3. Similar to item 2, Page 21 and 144 of Form OP-UA12 submitted on February 28, 2025 only includes the requested edits in bold with respect to the renewal application. Rest of the information in OP-UA12 dated September 25, 2024 stays the same. OP-UA12 dated September 25, 2024 addresses the requests related to page 11 and 138.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Friday, March 21, 2025 9:18 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hello Siva,
I have reviewed the attachment you sent.
The group idea is not appropriate here as the units have different index numbers and UA attributes. The group only can apply to units with identical index and UA codes.
I can group LDBLR1 and LDBLR2 into one group GRPBLR. However, even in this group, the Index R7300-1 (UA6 Page 13), Attribute Fuel type 1 and 2 are slightly different. The LDBLR2 has NG and

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPHDPSE	EU	63FFFF-5	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2480(e)(1) § 63.2450(a) § 63.2480(e)(8)	~~The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF~~ Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as measured by the method in § 63.1023(b) of subpart UU, § 63.180(c) of subpart H, or § 65.104(b).	§ 63.2450(t) § 63.2480(e)(1) [G]§ 63.2480(e)(2) [G]§ 63.2480(e)(3)(i) [G]§ 63.2480(e)(3)(ii) § 63.2480(e)(3)(iii) [G]§ 63.2480(e)(6) [G]§ 63.2480(e)(7) ~~63.2480(e)(8)~~	[G]§ 63.2525(q)	[G]§ 63.2520(d)(4) § 63.2520(e) [G]§ 63.2520(e)(15) ~~63.2525(d)(4)~~
LDCOOLTWR, RUCT01	EU	63FFFF-CT	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2490(a)-Table 10.b § 63.2450(a) § 63.2490(a) § 63.2490(d)	~~The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF~~ For each heat exchange system, as	§ 63.2490(d)(1) [G]§ 63.2490(d)(1)(i) [G]§ 63.2490(d)(1)(iii) § 63.2490(d)(1)(iv) [G]§ 63.2490(d)(2)	[G]§ 63.2525(r)	§ 63.2520(e) [G]§ 63.2520(e)(16)

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						defined in §63.101, comply with the requirements in §63.2490(d).	[G]§ 63.2490(d)(4)		
LDFLARE, HDFLARE, 3UFLARE62	CD	63FFFF-6	112(B) HAPS	40 CFR Part 63, Subpart FFFF	[G]§ 63.2450(e)(5) § 63.2450(a) ~~§ 63.670~~	~~The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF~~ For any flare that is used to reduce organic HAP emissions from an MCPU, comply with the requirements of §63.2450(e)(5).	~~63.670(b) 63.670(c) 63.670(d) 63.670(e) 63.670(g) 63.670(h) 63.670(i) 63.670(j) 63.670(k) 63.670(l)(1) 63.670(l)(2) 63.670(l)(3) 63.670(l)(4) 63.670(l)(5) 63.670(m) 63.670(n) 63.670(o)(1) 63.670(o)(2) 63.670(o)(3) 63.670(o)(5) 63.670(o)(6) 63.670(o)(7) 63.671(a) 63.671(b) 63.671(c) 63.671(d)~~	[G]§ 63.2525(m)	§ 63.2520(d)(3) § 63.2520(e) [G]§ 63.2520(e)(11)
3UFLARE63	CD	63FFFF-7	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2450(e)(5)(viii)(G) § 63.2450(a)	~~The permit holder shall comply with the applicable limitation, standard and/or~~	§ 63.2450(e)(5)(vii)(G) ** See Alternative Requirement	None	None

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						~~equipment specification requirements of 40 CFR Part 63, Subpart FFFF~~ For a pressure-assisted multi-point flare operating under the requirements of an approved alternative means of emission limitations, either continue to comply with the terms of the alternative means of emission limitations or comply with the provisions in §63.2450(e)(5)(viii)(A)-(F).			

Specific Notes

- MACT FFFF manual changes for cooling towers LDCOOLTWR and RUCT01:
  - For these two units, the existing permit has index number 63FFFF-1. But you proposed 63FFFF-CT. Do you want to delete existing 63FFFF-1 and use 63FFFF-CT?
    MBPP requests to delete 63FFFF-1 for the two cooling towers and have 63FFFF-CT.

  - All citations in black are what the applicant provided and these are ok. Then my additions are in red – some are additional citations and some are just adding the grouped notation [G]. I also replaced their generic high-level language with an appropriate textual description.
    MBPP confirms the edits to the citations.

- MACT FFFF manual build for flares LDFLARE, HDFLARE, and 3UFLARE62:
  - For the flares, when we finish our regulatory analysis of the rule amendments, the flare requirements will just be included in the set of requirements for each emission source routed to the flare. This is our standard practice for addressing control device requirements. If the applicant wants to have the separate rows for the flare IDs at this time, we can approve that since this is a manual build. However, they should be informed that this will change when we finish our rule analysis. If they want to the permit to look more like it will look at that point, then instead of adding these separate rows for the flare IDs, you would just add these citations as manual additions to the solution sets for the sources that route to these flares. (So the applicant would

need to let you know which units, such as tanks, vents, etc., are being controlled by these flares. You would then add these citations to those MACT FFFF solution sets.)
MBPP confirms the edits made currently for the flares.

- All citations in black are what the applicant provided and these are ok. Then my additions are in red – some are additional citations and some are just adding the grouped notation [G]. I also replaced their generic high-level language with an appropriate textual description.
  MBPP confirms the edits to the citations.

- I did not approve all of the detailed citations under 63.670. The detailed breakdown of 63.670 and 63.671 citations is picked up from the UA-07 attributes on the MACT CC table (since that is where these citations are referenced from) so those will be in a separate row. The applicant needs to fill out that table for these three flares. Thus, in the MACT FFFF row, we only need a general reference to 63.670 in the standards. (This is analogous to how we handled older requirements of 63.11 and 60.18, where emission sources routed to flares get those citations, and then UA-07 provides the more detailed breakdown.)
  MBPP requests to remove §63.670 from the emission standards and list [G]§ 63.2450(e)(5) which refers to the applicable requirements in MACT CC.
  MBPP confirms the rest of the edits.

- MACT FFFF manual build for flare 3UFLARE63:
  - I separated this flare out because it has different requirements from the others. However, the same choice is still relevant – they can have temporarily the separate listing for the flare ID, or you can just add these citations to the emissions sources being controlled by this flare (that option would match how the RRT will eventually be organized and is consistent with how we handle control devices).
    MBPP confirms the edits made to the flare.

  - All citations in black are what the applicant provided and these are ok. Then my additions are in red – some are additional citations and some are just adding the grouped notation [G]. I also replaced their generic high-level language with an appropriate textual description.
    MBPP confirms the edits to the citations.

  - This flare is complying with an AMEL, so whether you have the separate flare ID row or add these citations to the emission source rows, you will need to add the **See Alternative Requirement note and include the AMEL in the attachments. The applicant provided it in their application.
    MBPP confirms the edits made.

  - For this flare, since it is complying with an AMEL, they do not get the 63.670/63.671 citations, so for this flare only, the applicant does <u>not</u> need to fill out the UA-07 MACT CC table.

- Manual build for MACT FFFF fugitive row for GRPHDPSE:
  - I approved the detailed citations the applicant requested to replace the high-level fugitive solution set, except I added missing [G] notations or adjusted formatting where relevant. I made two citation changes:
    - Moved 63.2480(e)(8) to the standards column since it doesn't have monitoring components.
    - Deleted 63.2525(d)(4) because this does not exist. I believe they meant 63.2520(d)(4) which I added and grouped.

    MBPP confirms the edits to the citations.

  - All citations in black are what the applicant provided and these are ok. Then my additions are in red – some are additional citations and some are just adding the grouped notation [G]. I also replaced their generic high-level language with an appropriate textual description.
    MBPP confirms the edits to the citations.

- These citations are only for pressure relief devices. It looks like the applicant is opting to have this fugitive group only cover that type of component, which is ok. However, they also need to address their other fugitive components subject to MACT FFFF. Their permit does not currently include that. They'll need to identify a fugitive unit ID for the remaining fugitive components and choose either high-level or provided detailed citations on the OP-REQ3 for a manual build. If they go detailed, they need to indicate if complying with MACT H or MACT UU since those are referenced requirements for the other fugitive components. If MACT H, they can have one row with the FFFF citations and then they can fill out the MACT H tables on UA-12 to get those MACT H citations. If MACT UU, we don't independently address that rule on a form since it is only applicable by reference, so those citations would just go in the MACT FFFF row.
  MBPP currently has MON applicability included for the plant fugitives ID MBPPFUGEM in Title V Permit O2276. MBPP requests to retain the existing SOP Index no. 63FFFF-01 and associated citations for MBPPFUGEM. Since the recently updated UA-12 did not have a separate table for 40 CFR 63, Subpart FFFF, it was not explicitly addressed in the Title V renewal application.

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Thursday, April 3, 2025 5:40 PM
To: Jasmine Yuan
Cc: Korenek, Allison; Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: Updated OP2 OPSUMR OPMON.pdf

Jasmine,

Included brief responses to your requests below. Let me know if additional details are needed.

1. Please find attached the updated OP-2, OP-SUMR and OP-MON addressing item 1. Please note that these updates are with respect to the February 28, 2025 submittal. New/updated information is in bold and strikethroughs indicate information to be deleted. MBPP withdraws the request to group all boilers for PM.
2. Page 6 of Form OP-UA7 submitted on February 28, 2025 only includes the requested edits in bold for SOP Index number updates with respect to the renewal application. Rest of the information submitted in OP-UA7 dated September 25, 2024 stays the same.
3. Similar to item 2, Page 21 and 144 of Form OP-UA12 submitted on February 28, 2025 only includes the requested edits in bold with respect to the renewal application. Rest of the information in OP-UA12 dated September 25, 2024 stays the same. OP-UA12 dated September 25, 2024 addresses the requests related to page 11 and 138.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Friday, March 21, 2025 9:18 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hello Siva,
I have reviewed the attachment you sent.
The group idea is not appropriate here as the units have different index numbers and UA attributes. The group only can apply to units with identical index and UA codes.
I can group LDBLR1 and LDBLR2 into one group GRPBLR. However, even in this group, the Index R7300-1 (UA6 Page 13), Attribute Fuel type 1 and 2 are slightly different. The LDBLR2 has NG and GS, but LDBLR1 only has NG. I can change the codes to NG and GS for both units so that they can be grouped. Is that okay?
The units RUPK31 and RUPK32 are not subject to PM for R7300-1. So OP-MON is not needed. I don't group them.

The newly submitted UA7 dated 02/28/2025 result in hollow for units 3UFLARE62 and 3UFLARE63 Index R5720-1 and R5720-2, respectively, meaning the codes don't lead to end in flow chart.
In UA7 Table 5b instruction, it says "Complete "Monitoring Requirements" only if "Flare Type" is "MULTI," "ABMSS," "EMER" or "ALKYL."

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

Date: **04/03/2025**	
Permit No.: **O2276**	
Regulated Entity No.: **RN102501020**	
Company Name: **Exxon Mobil Corporation**	
For Submissions to EPA	
Has an electronic 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	☒ YES ☐ NO
For GOP Revisions Only	☐ YES ☐ NO

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

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)						
Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*						
☐ VOC	☐ NO_X	☐ SO_2	☐ PM_{10}	☐ CO	☐ Pb	☐ HAP
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 to 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: **04/03/2025**
Permit No.: **O2276**
Regulated Entity No.: **RN102501020**
Company Name: **Exxon Mobil Corporation**

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

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-A	No	N/A	OP-REQ1	19016	Incorporating NSR Permit No. 19016 amendment issued 01/16/25. This NSR Permit action does not affect existing regulatory applicability.
2	MS-A	No	N/A	OP-REQ1	103048	Incorporating NSR Permit No. 103048 amendment issued 02/10/25. This NSR Permit action does not affect existing regulatory applicability.
3	ADMIN-G	No	MBPPFUGEM	OP-UA12	19016, 103048	Adding Alternate Monitoring Program requirements which are approved and incorporated as special conditions in NSR Permits 19016 and 103048 for MBPPFUGEM.

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
4	MS-A	No	MBPPFUGEM	OP-SUMR OP-PBRSUP	177871	Additional emissions requested to be authorized under PBR 106.261/11/01/2003 / 106.262/11/01/2003 (PBR Registration No. 177871). This NSR permit action does not affect existing regulatory applicability. Update NSR authorization reference to include 106.263.
5	MS-A	No	L1TKV-06151	OP-SUMR	N/A	Update NSR authorization reference to 19016.
6	MS-A	No	L1T06A04	OP-SUMR	N/A	Update NSR authorization reference to 19016.
7	MS-A	No	N/A	OP-REQ1	N/A	Update Permit by Rules listed in NSR authorization references table.
8	MS-A	No	RUPK71	OP-SUMR OP-PBRSUP	N/A	Update NSR authorization reference.
9	MS-A	No	HDFLARE	OP-SUMR OP-PBRSUP	N/A	Update NSR authorization reference.
10	MS-C	No	3UFLARE63 LDFLARE HDFLARE	OP-UA7	N/A	Update SOP index number for 30 TAC Chapter 115, Subchapter H in Table 5b of OP-UA7.
~~11~~	~~MS-C~~	~~No~~	~~GRPBLR~~	~~OP-MON~~	~~N/A~~	~~Adding new Group ID to Title V Permit. Adding Periodic Monitoring for 30 TAC Chapter 117, Subchapter B.~~
11	**MS-C**	**No**	**LDBLR1**	**OP-MON**	**N/A**	**Adding Periodic Monitoring for 30 TAC Chapter 117, Subchapter B.**
12	MS-C	No	HDBLR3 LDBLR1 LDBLR2	OP-UA6	N/A	Update unit attributes for 40 CFR Part 60, Subpart D in Table 1a of OP-UA6.

Revision No.	Revision Code	New Unit	Unit/Group ID No.	Process Applicable Form	NSR Authorization	Description of Change and Provisional Terms and Conditions
13	MS-C	No	HDBLR3 LDBLR1 LDBLR2 RUPK31 RUPK32	OP-UA6	N/A	Update unit attributes for 40 CFR Part 63, Subpart DDDDD in Table 14a of OP-UA6.
14	**MS-C**	**No**	**LDBLR2**	**OP-MON**	**N/A**	**Adding Periodic Monitoring for 30 TAC Chapter 117, Subchapter B.**
15	**MS-C**	**No**	**HDBLR3**	**OP-MON**	**N/A**	**Adding Periodic Monitoring for 30 TAC Chapter 117, Subchapter B.**

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

Date	Permit No.	Regulated Entity No.
04/03/2025	O2276	RN102501020

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	4	MBPPFUGEM	OP-SUMR OP-PBRSUP	Plant Fugitives		103048, 123967, 19016, 106.261/11/01/2003 **[**163891,165992,168992,172156,172502, 175556,175548,177109, **177871]**, 106.262/11/01/2003 **[**165992,168992,170124,172502,175556, 177109, **177871],** **106.263/11/01/2001,** **106.532/09/04/2000**	
	5	L1TKV-06151	OP-SUMR	Toluene Accumulator		~~106.262/09/04/2000,~~ ~~106.473/09/04/2000~~ **19016**	
	6	L1T06A04	OP-SUMR	Oxygen Analyzer Vent		~~106.262/09/04/2000~~ **19016**	
	8	RUPK71	OP-SUMR OP-PBRSUP	Regenerative Thermal Oxidizer		103048, 106.261/11/01/2003 [172502], 106.262/11/01/2003 [172502], **106.263/11/01/2001**	
	9	HDFLARE	OP-SUMR OP-PBRSUP	HDPE Flare		19016, **106.263/11/01/2001**	

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

Date	Permit No.	Regulated Entity No.
04/03/2025	O2276	RN102501020

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
~~11~~	~~HDBLR3~~	~~OP-MON~~	~~A~~	~~GRPBLR~~
~~11~~	~~LDBLR1~~	~~OP-MON~~	~~A~~	~~GRPBLR~~
~~11~~	~~LDBLR2~~	~~OP-MON~~	~~A~~	~~GRPBLR~~
~~11~~	~~RUPK31~~	~~OP-MON~~	~~A~~	~~GRPBLR~~
~~11~~	~~RUPK32~~	~~OP-MON~~	~~A~~	~~GRPBLR~~

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 11		
Unit/EPN/Group/Process ID No.: LDBLR1		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Hourly Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the appropriate emission factor will be used to calculate the average hourly CO emissions. The calculated average hourly CO emission rate for the source will be compared to the hourly CO permit limit. If the average hourly emissions for the source are above the hourly permit limit, this will be considered and reported as a deviation.

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 14		
Unit/EPN/Group/Process ID No.: LDBLR2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Hourly Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the appropriate emission factor will be used to calculate the average hourly CO emissions. The calculated average hourly CO emission rate for the source will be compared to the hourly CO permit limit. If the average hourly emissions for the source are above the hourly permit limit, this will be considered and reported as a deviation.

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 15		
Unit/EPN/Group/Process ID No.: HDBLR3		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Hourly Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the appropriate emission factor will be used to calculate the average hourly CO emissions. The calculated average hourly CO emission rate for the source will be compared to the hourly CO permit limit. If the average hourly emissions for the source are above the hourly permit limit, this will be considered and reported as a deviation.

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Thursday, April 3, 2025 5:40 PM
To: Jasmine Yuan
Cc: Korenek, Allison; Mak, Christy
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: Updated OP2 OPSUMR OPMON.pdf

Jasmine,

Included brief responses to your requests below. Let me know if additional details are needed.

1. Please find attached the updated OP-2, OP-SUMR and OP-MON addressing item 1. Please note that these updates are with respect to the February 28, 2025 submittal. New/updated information is in bold and strikethroughs indicate information to be deleted. MBPP withdraws the request to group all boilers for PM.
2. Page 6 of Form OP-UA7 submitted on February 28, 2025 only includes the requested edits in bold for SOP Index number updates with respect to the renewal application. Rest of the information submitted in OP-UA7 dated September 25, 2024 stays the same.
3. Similar to item 2, Page 21 and 144 of Form OP-UA12 submitted on February 28, 2025 only includes the requested edits in bold with respect to the renewal application. Rest of the information in OP-UA12 dated September 25, 2024 stays the same. OP-UA12 dated September 25, 2024 addresses the requests related to page 11 and 138.

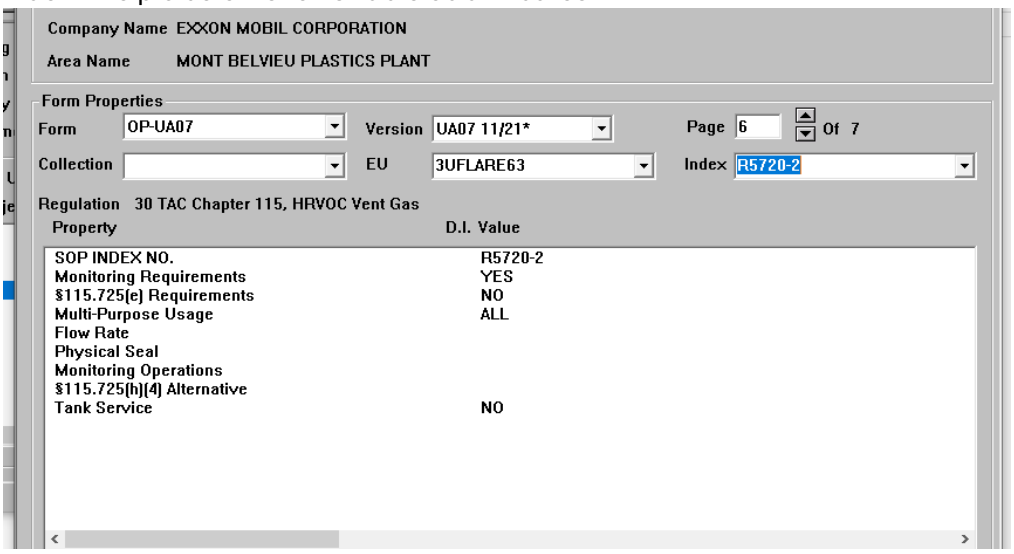
Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Friday, March 21, 2025 9:18 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hello Siva,
I have reviewed the attachment you sent.
The group idea is not appropriate here as the units have different index numbers and UA attributes. The group only can apply to units with identical index and UA codes.
I can group LDBLR1 and LDBLR2 into one group GRPBLR. However, even in this group, the Index R7300-1 (UA6 Page 13), Attribute Fuel type 1 and 2 are slightly different. The LDBLR2 has NG and GS, but LDBLR1 only has NG. I can change the codes to NG and GS for both units so that they can be grouped. Is that okay?
The units RUPK31 and RUPK32 are not subject to PM for R7300-1. So OP-MON is not needed. I don't group them.

The newly submitted UA7 dated 02/28/2025 result in hollow for units 3UFLARE62 and 3UFLARE63 Index R5720-1 and R5720-2, respectively, meaning the codes don't lead to end in flow chart.
In UA7 Table 5b instruction, it says "Complete "Monitoring Requirements" only if "Flare Type" is "MULTI," "ABMSS," "EMER" or "ALKYL."

So table 5b monitoring requirement can't be empty.
Your previously UA7 dated 09/25/2024 can lead to solution set/citations for those 2 units and index. The pic below shows Table 6b attributes.



So, please revise the attributes for unit 3UFLARE62 Index R5720-1 and 3UFLARE63 Index R5720-2 by following UA instructions.

For MBPPFUGEM, please confirm you want the -ALL requirements.
The reason I am asking is you add the ALL index in certain page, not the first page of the rule. It should be on the beginning of the table for the rule, where the logic starts.
Index R5352-ALL should be placed on page 11 instead of 21; Index R5780-ALL should be placed on page 138, instead of 144.
Please confirm and revise the UA12.

Please respond to this email by 04/04/2025 or sooner.
Thanks
Jasmine Yuan

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Thursday, March 20, 2025 6:15 PM
To: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Cc: Korenek, Allison <allison.korenek@exxonmobil.com>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Good evening Jasmine,

Thanks for the call this evening to discuss about this request and providing an update that it is not necessary to submit a separate application in STEERS. Let me know if you need additional details when reviewing the application.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office

979 676 2849 Mobile

From: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Sent: Wednesday, March 19, 2025 5:47 PM
To: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Cc: R6AirPermitsTX@epa.gov
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hi Siva,
My manager ask you to *submit the minor revision through STEERS by creating a NEW Title V STEER application*.
You can just load the PDF you sent it to me in your last email.
By doing this, TCEQ APIRT will create a minor revision project. Mention I am the reviewer in the cover letter or notes somewhere.
The revision will be assigned to me and I will review it with the renewal. This is just administrative requirement. *Please do it at your earliest convenience.*
I actually started review this week. I might send you NOD later this week (I suspect if the new group has same UA attributes for each unit).

Thanks
Jasmine Yuan

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Friday, February 28, 2025 2:36 PM
To: Jasmine Yuan
Cc: R6AirPermitsTX@epa.gov
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)
Attachments: ExxonMobil MBPP O2276 Renewal Update and Minor Revision.pdf

Good afternoon Jasmine,

Please find attached the update to the renewal application incorporating the requested edits along with a minor revision for updating NSR permit authorizations based on recent permit amendments.

Attachment addresses items 1, 2, 3, 5, and 6 of your requests below. For item 4, we are requesting to include additional index numbers A4-6. Let me know if more details are needed.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

Exxon Mobil Corporation
Mont Belvieu Plastics Plant
PO Box 1653
Baytown, Texas 77580-1653

Submittal via Email

February 28, 2025

Ms. Jasmine Yuan
Air Permits Division, MC 163
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: Update to Renewal Application and Minor Revision for Title V Permit No. O2276
Exxon Mobil Corporation Mont Belvieu Plastics Plant
CN600123939; RN102501020; Account Number CI-0009-P

Dear Ms. Yuan:

On behalf of the Exxon Mobil Corporation (ExxonMobil) Mont Belvieu Plastics Plant (MBPP), located at 13330 Hatcherville Road, Mont Belvieu, TX 77521, enclosed is an update to the renewal application and Minor Revision for Federal Operating Permit (FOP) No. O2276 pursuant to 30 TAC Chapter 122 Federal Operating Permits Program, Subchapter C Initial Permit Issuances, Revisions, Reopenings, and Renewals.

MBPP seeks to update the following in the Title V Permit:

1) Update NSR Permit Authorizations based on recent permit amendments.
2) Update 30 TAC Chapter 115 Subchapter D and 30 TAC Chapter 115 Subchapter H applicability for Unit ID MBPPFUGEM.
3) Update NSR Permit Authorizations based on Permit by Rule authorization for Unit ID MBPPFUGEM.
4) Update NSR Permit Authorization reference for Unit IDs LITKV-06151, L1T06A04, MBPPFUGEM, RUPK71, and HDFLARE.
5) Update Permit by Rules listed in NSR authorization references table. Revised OP-PBRSUP incorporating the requested edits is included in Section 1.
6) Update SOP index number for 30 TAC Chapter 115, Subchapter H for Unit IDs 3UFLARE63, LDFLARE and HDFLARE. Revised Table 5b of OP-UA7 is included in Section 2.
7) Add a new Group ID for all the boilers to have the periodic monitoring requirements for 30 TAC Chapter 117, Subchapter B for pollutant CO. The proposed case by case periodic monitoring in OP-MON is consistent with PM approved in other permits O614 and O1229.
8) Update unit attributes for 40 CFR Part 60, Subpart D for Unit IDs HDBLR3, LDBLR1, and LDBLR2. Revised Table 1a of OP-UA6 is included in Section 2.
9) Update unit attributes for 40 CFR Part 63, Subpart DDDDD for Unit IDs HDBLR3, LDBLR1, LDBLR2, RUPK31, and RUPK32. Revised Table 14a of OP-UA6 is included in Section 2.

Applicable pages of the following forms are enclosed:

Section 1 – General Administrative Forms (new/updated information is in **bold**, ~~strikethrough~~ indicates information to be deleted)

- OP-2: Application for Permit Revision/Renewal (Tables 1-2)

- OP-SUMR: Individual Unit Summary for Revisions (Tables 1-2)
- OP-PBRSUP: Permit by Rule Supplemental Table (Tables A-D)

Section 2 – Unit Attribute Forms (new/updated information is in **bold**)

- OP-UA6: Boiler/Steam Generator/Steam Generating Unit Attributes
  - 40 CFR Part 60 Subpart D (Table 1a)
  - 40 CFR Part 63 Subpart DDDDD (Table 14a)
- OP-UA7: Flare Attributes
  - 30 TAC Chapter 115 Subchapter H (Table 5b)
- OP-UA12: Fugitive Emissions Unit Attributes
  - 30 TAC Chapter 115 Subchapter D (Table 2k)
  - 30 TAC Chapter 115 Subchapter H (Table 16g)

Section 3 – Applicability Identification Forms (new/updated information is in **bold**, ~~strikethrough~~ indicates information to be deleted)

- OP-REQ1: Application Area-Wide Applicability Determinations and General Information (Pages 87-89)

Section 4 – Monitoring Requirement Forms

- OP-MON: Monitoring Requirements for Periodic Monitoring (Table 1c)

Per TCEQ guidance[1], all updates to the Permit No. O2276 Renewal application will be certified via one (1) OP-CRO1 prior to Public Notice.

If you have any questions regarding this submittal or should you require any additional information, please contact Siva Sankar Thanapal at 254-545-3630 or via e-mail at siva.thanapal@exxonmobil.com.

Sincerely,

Allison Korenek
Environmental Section Supervisor

cc:

Air Section Manager, Region 12
Texas Commission on Environmental Quality
5425 Polk Street, Suite H
Houston, Texas 77023-1452

Email to:

EPA Region 6 - R6AirPermitsTX@epa.gov

[1] Site Operating permit (SOP) Technical Review Fact Sheet, https://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf

Section 1

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

Date: **02/28/2025**	
Permit No.: **O2276**	
Regulated Entity No.: **RN102501020**	
Company Name: **Exxon Mobil Corporation**	
For Submissions to EPA	
Has an electronic 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	☒ YES ☐ NO
For GOP Revisions Only	☐ YES ☐ NO

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

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)						
Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*						
☐ VOC	☐ NO_X	☐ SO_2	☐ PM_{10}	☐ CO	☐ Pb	☐ HAP
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 to 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: **02/28/2025**
Permit No.: **O2276**
Regulated Entity No.: **RN102501020**
Company Name: **Exxon Mobil Corporation**

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

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-A	No	N/A	OP-REQ1	19016	Incorporating NSR Permit No. 19016 amendment issued 01/16/25. This NSR Permit action does not affect existing regulatory applicability.
2	MS-A	No	N/A	OP-REQ1	103048	Incorporating NSR Permit No. 103048 amendment issued 02/10/25. This NSR Permit action does not affect existing regulatory applicability.
3	ADMIN-G	No	MBPPFUGEM	OP-UA12	19016, 103048	Adding Alternate Monitoring Program requirements which are approved and incorporated as special conditions in NSR Permits 19016 and 103048 for MBPPFUGEM.

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
4	MS-A	No	MBPPFUGEM	OP-SUMR OP-PBRSUP	177871	Additional emissions requested to be authorized under PBR 106.261/11/01/2003 / 106.262/11/01/2003 (PBR Registration No. 177871). This NSR permit action does not affect existing regulatory applicability. Update NSR authorization reference to include 106.263.
5	MS-A	No	L1TKV-06151	OP-SUMR	N/A	Update NSR authorization reference to 19016.
6	MS-A	No	L1T06A04	OP-SUMR	N/A	Update NSR authorization reference to 19016.
7	MS-A	No	N/A	OP-REQ1	N/A	Update Permit by Rules listed in NSR authorization references table.
8	MS-A	No	RUPK71	OP-SUMR OP-PBRSUP	N/A	Update NSR authorization reference.
9	MS-A	No	HDFLARE	OP-SUMR OP-PBRSUP	N/A	Update NSR authorization reference.
10	MS-C	No	3UFLARE63 LDFLARE HDFLARE	OP-UA7	N/A	Update SOP index number for 30 TAC Chapter 115, Subchapter H in Table 5b of OP-UA7.
11	MS-C	No	GRPBLR[1]	OP-MON	N/A	Adding new Group ID to Title V Permit. Adding Periodic Monitoring for 30 TAC Chapter 117, Subchapter B.
12	MS-C	No	HDBLR3 LDBLR1 LDBLR2	OP-UA6	N/A	Update unit attributes for 40 CFR Part 60, Subpart D in Table 1a of OP-UA6.

[1] Refer to completed OP-SUMR Table 2 for complete Unit ID list.

Revision No.	Revision Code	New Unit	Unit/Group ID No.	Process Applicable Form	NSR Authorization	Description of Change and Provisional Terms and Conditions
13	MS-C	No	HDBLR3 LDBLR1 LDBLR2 RUPK31 RUPK32	OP-UA6	N/A	Update unit attributes for 40 CFR Part 63, Subpart DDDDD in Table 14a of OP-UA6.

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

Date	Permit No.	Regulated Entity No.
02/28/2025	O2276	RN102501020

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	4	MBPPFUGEM	OP-SUMR OP-PBRSUP	Plant Fugitives		103048, 123967, 19016, 106.261/11/01/2003 **[**163891,165992,168992,172156,172502, 175556,175548,177109, **177871]**, 106.262/11/01/2003 **[**165992,168992,170124,172502,175556, 177109, **177871],** **106.263/11/01/2001,** **106.532/09/04/2000**	
	5	L1TKV-06151	OP-SUMR	Toluene Accumulator		~~106.262/09/04/2000,~~ ~~106.473/09/04/2000~~ **19016**	
	6	L1T06A04	OP-SUMR	Oxygen Analyzer Vent		~~106.262/09/04/2000~~ **19016**	
	8	RUPK71	OP-SUMR OP-PBRSUP	Regenerative Thermal Oxidizer		103048, 106.261/11/01/2003 [172502], 106.262/11/01/2003 [172502], **106.263/11/01/2001**	
	9	HDFLARE	OP-SUMR OP-PBRSUP	HDPE Flare		19016, **106.263/11/01/2001**	

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

Date	Permit No.	Regulated Entity No.
02/28/2025	O2276	RN102501020

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
11	HDBLR3	OP-MON	A	GRPBLR
11	LDBLR1	OP-MON	A	GRPBLR
11	LDBLR2	OP-MON	A	GRPBLR
11	RUPK31	OP-MON	A	GRPBLR
11	RUPK32	OP-MON	A	GRPBLR

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

Date	Permit Number	Regulated Entity Number
02/28/2025	O2276	RN102501020

Unit ID No.	Registration No.	PBR No.	Registration Date
L1VV03290	53389	106.262 / 09/04/2000	11/25/2002
L1VV06143	53389	106.262 / 09/04/2000	11/25/2002
L1SF06143	53389	106.262 / 09/04/2000	11/25/2002
BR-13001	147496	106.261 / 11/01/2003	7/27/2017
BR-13002	147496	106.261 / 11/01/2003	7/27/2017
BR-23158	147496	106.261 / 11/01/2003	7/27/2017
BR-24163	147496	106.261 / 11/01/2003	7/27/2017
BR-24164	147496	106.261 / 11/01/2003	7/27/2017
ENG1	153086	106.512 / 06/13/2001	8/30/2018
ENG2	153086	106.512 / 06/13/2001	8/30/2018
STK	153086	106.146 / 09/04/2000	8/30/2018
RCC	153086	106.146 / 09/04/2000	8/30/2018
VEH	153086	106.146 / 09/04/2000	8/30/2018
MBPPFUGEM	163891	106.261 / 11/01/2003	7/26/2021
MBPPFUGEM	165992	106.261 / 11/01/2003	7/30/2021
MBPPFUGEM	165992	106.262 / 11/01/2003	7/30/2021
MBPPFUGEM	168992	106.261 / 11/01/2003	5/27/2022
MBPPFUGEM	168992	106.262 / 11/01/2003	5/27/2022
MBPPFUGEM	170124	106.262 / 11/01/2003	9/9/2022
MBPPFUGEM	172156	106.261 / 11/01/2003	3/31/2023
RUPK71	172502	106.261 / 11/01/2003	5/8/2023

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

Date	Permit Number	Regulated Entity Number
02/28/2025	O2276	RN102501020

Unit ID No.	Registration No.	PBR No.	Registration Date
RUPK71	172502	106.262 / 11/01/2003	5/8/2023
MBPPFUGEM	172502	106.261 / 11/01/2003	5/8/2023
MBPPFUGEM	172502	106.262 / 11/01/2003	5/8/2023
L1ANALYZER	175548	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175548	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175556	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175556	106.262 / 11/01/2003	3/8/2024
MBPPFUGEM	177109	106.261 / 11/01/2003	8/8/2024
MBPPFUGEM	177109	106.262 / 11/01/2003	8/8/2024
MBPPFUGEM	**177871**	**106.261 / 11/01/2003**	**10/21/2024**
MBPPFUGEM	**177871**	**106.262 / 11/01/2003**	**10/21/2024**

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
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date
RUPK71	106.263	11/01/2001
MBPPFUGEM	106.263	11/01/2001
HDFLARE	106.263	11/01/2001
4MDC02	106.124	09/04/2000
REFRIG	106.373	09/04/2000
WELDING	106.227	09/04/2000
MBPPFUGEM	106.532	09/04/2000
CHEMUNLOAD	106.472	09/04/2000
ENG02GENTK	106.472	09/04/2000
OILYWRACK	106.472	03/14/1997
TEMPTK1	106.473	09/04/2000
TEMPTK2	106.473	09/04/2000
HDTK95050	106.473	09/04/2000
HDTK6510	106.473	09/04/2000
L1TK92026	106.473	09/04/2000
DEGREASER6	106.454	11/01/2001
ENG01FF	**106.511**	**03/14/1997**
ENG02GEN	**106.511**	**03/14/1997**
ENG03GEN	**106.511**	**09/04/2000**

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
02/28/2025	O2276	RN102501020

PBR No.	Version No./Date
106.122	09/04/2000
106.320	09/04/2000
106.412	09/04/2000
106.451	09/04/2000
75	03/15/1985

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
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1VV03290	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
L1VV06143	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
Texas Commission on Environmental Quality

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1SF06143	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
BR-13001	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
BR-13002	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-23158	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
BR-24163	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-24164	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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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
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
ENG1	106.512	153086	The operating hours and/or fuel usage of the engine are monitored and recorded.
ENG2	106.512	153086	The operating hours and/or fuel usage of the engine are monitored and recorded.

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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
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
STK	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
RCC	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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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
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
VEH	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.261	163891	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	165992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	165992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.

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Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.262	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.262	170124	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	172156	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
RUPK71	106.261	172502	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
RUPK71	106.262	172502	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	172502	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	172502	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1ANALYZER	106.261	175548	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.261	175548	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Date	Permit Number	Regulated Entity Number
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.262	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.261	177109	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.262	177109	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	**106.261**	**177871**	**Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.**

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	**106.262**	**177871**	**Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.**
RUPK71	106.263	11/01/2001	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
02/28/2025	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.263	11/01/2001	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
HDFLARE	106.263	11/01/2001	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
4MDC02	106.124	36773	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
REFRIG	106.373	36773	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
WELDING	106.227	09/04/2000	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.532	09/04/2000	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TEMPTK1	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
TEMPTK2	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
HDTK95050	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

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Texas Commission on Environmental Quality

Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
HDTK6510	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
DEGREASER6	106.454	11/1/2001	Comply with Periodic Monitoring requirements for 30 TAC Chapter 115, Degreasing Processes: Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation. Indicator: Visual Inspection Minimum Frequency: Monthly
CHEMUNLOAD	106.472	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
ENG02GENTK	106.472	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
OILYWRACK	106.472	03/14/1997	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1TK92026	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
ENG01FF	**106.511**	**3/14/1997**	**The operating hours and/or fuel usage of the engine are monitored and recorded.**
ENG02GEN	**106.511**	**3/14/1997**	**The operating hours and/or fuel usage of the engine are monitored and recorded.**
ENG03GEN	**106.511**	**9/4/2000**	**The operating hours and/or fuel usage of the engine are monitored and recorded.**

Section 2

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/28/2025	O2276	RN102501020

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
HDBLR3	60D-1	78+	**NO**	NO	250-						
LDBLR1	60D-1	78+	**NO**	NO	250-						
LDBLR2	60D-1	78+	**NO**	NO	250-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 37)
Federal Operating Permit Program
Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/28/2025	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
HDBLR3	63DDDDD-01	EXIST	**T3.3G1**		
LDBLR1	63DDDDD-01	EXIST	**T3.3G1**		
LDBLR2	63DDDDD-01	EXIST	**T3.3G1**		
RUPK31	63DDDDD-01	NEW	**T3.3G1**		
RUPK32	63DDDDD-01	NEW	**T3.3G1**		

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 6)
Federal Operating Permit Program
Table 5b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control

Date	Permit No.:	Regulated Entity No.
02/28/2025	O2276	RN102501020

Unit ID No.	SOP Index No.	Monitoring Requirements	§115.725(e) Requirements	Multi-Purpose Usage	Flow Rate	Physical Seal	Monitoring Option	§115.725(h)(4) Alternative	Tank Service
3UFLARE62	R5720-1								NO
3UFLARE63	R5720-2								NO
LDFLARE	R5720-1								NO
HDFLARE	R5720-1								NO
3UFLARE62	R5720-5								NO
3UFLARE63	**R5720-5**								NO
LDFLARE	**R5720-5**								NO
HDFLARE	**R5720-5**								NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 21)
Federal Operating Permit Program
Table 2k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/28/2025	O2276	RN102501020

Unit ID No.	SOP Index No.	Components Utilizing Alternative Work Practice in § 115.358	Title 30 TAC § 115.358 Fugitive Unit Description
MBPPFUGEM	**R5352-ALL**	**YES**	**Plant Fugitives**

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 144)
Federal Operating Permit Program
Table 16g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
02/28/2025	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Alternative Work Practice in § 115.358	Title 30 TAC § 115.358 Fugitive Unit Description
FUGHRVOC	R5780-ALL	**YES**	**Plant Fugitives**

Section 3

Date:	**02/28/2025**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: 19016	Issuance Date: **01/16/2025**	Authorization No.:	Issuance Date:
Authorization No.: 103048	Issuance Date: **02/10/2025**	Authorization No.:	Issuance Date:
Authorization No.: 123967	Issuance Date: 06/21/2024	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

Date:	**02/28/2025**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.122	Version No./Date: 09/04/2000
PBR No.: 106.124	Version No./Date: 09/04/2000
PBR No.: 106.146	Version No./Date: 09/04/2000
~~PBR No.: 106.183~~	~~Version No./Date: 09/04/2000~~
PBR No.: 106.227	Version No./Date: 09/04/2000
~~PBR No.: 106.261~~	~~Version No./Date: 09/04/2000~~
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 09/04/2000
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.320	Version No./Date: 09/04/2000
PBR No.: 106.373	Version No./Date: 09/04/2000
PBR No.: 106.412	Version No./Date: 09/04/2000
~~PBR No.: 106.433~~	~~Version No./Date: 09/04/2000~~
PBR No.: 106.451	Version No./Date: 09/04/2000
~~PBR No.: 106.452~~	~~Version No./Date: 09/04/2000~~
~~PBR No.: 106.453~~	~~Version No./Date: 09/04/2000~~
PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
~~PBR No.: 106.473~~	~~Version No./Date: 03/14/1997~~
PBR No.: 106.473	Version No./Date: 09/04/2000

Date:	**02/28/2025**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.532	Version No./Date: 09/04/2000
PBR No.: 75	Version No./Date: 03/15/1985
♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

Section 4

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 3)
Federal Operating Permit Program
Table 1c: CAM/PM Case-By-Case Additions

I. Identifying Information		
Account No.: CI-0009-P	RN No.: RN102501020	CN: CN600123939
Permit No: O2276	Project No.: 37206	
Area Name: Mont Belvieu Plastics Plant		
Company Name: Exxon Mobil Corporation		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 11		
Unit/EPN/Group/Process ID No.: GRPBLR		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC Chapter 117, Subchapter B		
SOP/GOP Index No.: R7300-1		
Pollutant: CO		
Main Standard: § 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Hourly Fuel Usage	Minimum Frequency: Monthly	
Averaging Period: Hourly		

I. Identifying Information
Periodic Monitoring Text: Measure and record the hourly fuel usage. Once a month, the hourly fuel usage and the appropriate emission factor will be used to calculate the average hourly CO emissions. The calculated average hourly CO emission rate for the source will be compared to the hourly CO permit limit. If the average hourly emissions for the source are above the hourly permit limit, this will be considered and reported as a deviation.

From: Jasmine Yuan
Sent: Friday, February 14, 2025 11:31 AM
To: Thanapal, Siva Sankar
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Upon initial review, I found the following deficiencies. Please submit updated forms by 02/28/2025.
1, Some PBRs on OP-REQ1 are not included in PBRSUP, such as 106.183, 106.261/09/04/2000, 106.433, 106.453, 106.473, 106.511(two versions). PBRs on these forms should match and consistent. Please follow the instructions and revise the forms or related pages. If you revise OP-PBRSUP, redate all four tables, and send me four tables as a set.
2, Please make sure all units PCA on OP-PBSRUP are matching the PCA on OPSUMR. For example, RUPK71 and MBPPFUGEM's PCA should also include 106.263/106.532 listed on OP-PBRSUP Table B. Please update OP-SUMR. (redate the updated forms.); Unit HDFLARE should have 106.263 in OP-SUMR PCA column per OP-PBRSUP Table B. Please double check the other units.
2, OP-UA7, Page 5 and 6 index numbers may contain errors (Change from 5 to 6). Please double check and submit updated forms (just that page) or clarify it in email.
3, For flares, you have existing index for 60A and 63A. Please confirm OP-UA7 index numbers 60A-4 through 6 are replacing existing index 60A-1 through 3. The same for 63A1-3 and 63A4-6. In your cover letter, you said update flare assist type. I am not sure replace or add additional index. Please clarify.
4, Please submit OP-MON Periodic Monitoring for HDBLR3, LDBLR1, LDBRL2, for pollutant CO per index R7300-1.
5, OP-UA6, Index 63DDDDD-01 page 37 attributes miss Table Applicability Code. Index 60D-1 attributes miss Covered Under Subpart Da or KKKK code. Please send the updated forms(redate).

Manual build has been sent to our technical specialist Carolyn Maus to review. I will forward her comments when she completes.

Thank you!
Have a good long weekend!
Jasmine

From: Thanapal, Siva Sankar <siva.thanapal@exxonmobil.com>
Sent: Friday, February 14, 2025 6:09 AM
To: Jasmine Yuan <Jasmine.Yuan@tceq.texas.gov>
Subject: RE: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Good morning Jasmine,

Thanks for the update on Permit O2276 renewal application. Will plan to reach out to you if there are any questions or updates on the application.

Thanks,
Siva Sankar Thanapal
Air Permits Advisor
254 545 3630 Office
979 676 2849 Mobile

From: Jasmine Yuan
Sent: Thursday, February 13, 2025 4:48 PM
To: siva.thanapal@exxonmobil.com
Subject: Technical Review - O2276 Exxon Mobil Corporation (Renewal, 37206)

Hello Siva,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O2276 for Exxon Mobil, **Mont Belvieu Plastics Plant.** This application has been assigned Project No. 37206. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, 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.

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

Please notify me when these updates have been submitted.

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

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process and application update procedures. Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Jasmine Yuan
TCEQ Air Permits Division
P.O. Box 13087, MC 163
Austin, TX 78753
Phone: (512)239-6090
Fax: (512)239-1400
Jasmine.Yuan@tceq.texas.gov

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

From: eNotice TCEQ
To: Brandon.Creighton@senate.texas.gov; terri.leo-wilson@house.texas.gov
Subject: TCEQ Notice - Permit Number O2276
Date: Thursday, October 3, 2024 6:33:06 PM
Attachments: TCEQ Notice - O2276_37206.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.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 3, 2024

THE HONORABLE BRANDON CREIGHTON
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37206
Permit Number: O2276
Exxon Mobil Corporation
Mont Belvieu Plastics Plant
Mont Belvieu, Chambers County
Regulated Entity Number: RN102501020
Customer Reference Number: CN600123939

Dear Senator Creighton:

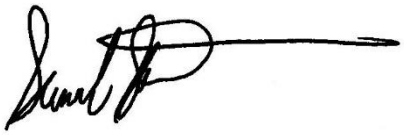
This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will 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=-94.916111,29.874722&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.

Re: Accepted Federal Operating Permit Renewal Application

This letter is being sent to you for information only and no action is required. If you need further information, please contact me at (512) 239-1250.

Sincerely,



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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 3, 2024

THE HONORABLE TERRI LEO-WILSON
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37206
Permit Number: O2276
Exxon Mobil Corporation
Mont Belvieu Plastics Plant
Mont Belvieu, Chambers County
Regulated Entity Number: RN102501020
Customer Reference Number: CN600123939

Dear Representative Leo-Wilson:

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=-94.916111,29.874722&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,

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

Texas Commission on Environmental Quality

Title V Existing

2276

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	MONT BELVIEU PLASTICS PLANT
Does the site have a physical address?	Yes
Physical Address	
Number and Street	13338 HATCHERVILLE RD
City	MONT BELVIEU
State	TX
ZIP	77521
County	CHAMBERS
Latitude (N) (##.######)	29.874722
Longitude (W) (-###.######)	94.916111
Primary SIC Code	2821
Secondary SIC Code	
Primary NAICS Code	325211
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102501020
What is the name of the Regulated Entity (RE)?	EXXONMOBIL CHEMICAL MONT BELVIEU PLASTICS PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	13330 HATCHERVILLE RD
City	MONT BELVIEU
State	TX
ZIP	77521
County	CHAMBERS
Latitude (N) (##.######)	29.874722
Longitude (W) (-###.######)	-94.916111
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN600123939
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Exxon Mobil Corporation
Texas SOS Filing Number	3362806
Federal Tax ID	135409005
State Franchise Tax ID	11354090059

State Sales Tax ID	
Local Tax ID	
DUNS Number	1213214
Number of Employees	501+
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	EXXON MOBIL CORPORATION
Prefix	MRS
First	JESSICA
Middle	
Last	VASQUEZ
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)	PO BOX 1653
Routing (such as Mail Code, Dept., or Attn:)	
City	MONT BELVIEU
State	TX
ZIP	77580
Phone (###-###-####)	8328644920
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jessica.n.vasquez@exxonmobil.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Select existing DAR contact or enter a new contact.	ROBERT HILL(EXXON MOBIL COR...)
Organization Name	EXXON MOBIL CORPORATION
Prefix	MR
First	ROBERT
Middle	
Last	HILL
Suffix	
Credentials	
Title	BAYTOWN AREA SSHE MANAGER
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4004
Routing (such as Mail Code, Dept., or Attn:)	
City	BAYTOWN
State	TX
Zip	77522
Phone (###-###-####)	2545453690
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	robert.j.hill@exxonmobil.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Select existing TC contact or enter a new contact.	New Contact
Organization Name	Exxon Mobil Corporation
Prefix	MR
First	Siva Sankar
Middle	
Last	Thanapal
Suffix	
Credentials	
Title	Air Permits Advisor
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1653
Routing (such as Mail Code, Dept., or Attn:)	
City	MONT BELVIEU
State	TX
ZIP	77580
Phone (###-###-####)	2544543630
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	siva.thanapal@exxonmobil.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 52 Min 29 Sec
3) Permit Longitude Coordinate:	94 Deg 54 Min 58 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_MBPP TV renewal.pdf
Hash	D1895292E68F5AE4A231E7F3AC9567A71F74EA711EFD0D5E58A8FF5106F47FF4
MIME-Type	application/pdf

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

[File Properties]

File Name	OP-2_MBPP TV renewal.pdf
Hash	B6376F7DBA5BCAFC3539D9CE41F1CCBFFDE36DCA8C1EF1879FE0BCF882760171
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name	OP-ACPS_MBPP TV renewal.pdf
Hash	0CE4937ABC05CBFD35C9F85EBE24F328DFC5A5E7DE07DB5D8C0D4F1905C7FDAA
MIME-Type	application/pdf

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

[File Properties]

File Name	OP-REQ1_MBPP TV renewal.pdf
Hash	294B4FDD0DDF9C16579C32EDBBC813CEED5B88C47FBCF025817F893B9843950F
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name	OP-REQ3_MBPP TV renewal.pdf
Hash	ED2D8DF213B554D4728FEA651D0D8A6F3A0EFB4B3D8710EE8518B5DAC16BADAA
MIME-Type	application/pdf

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name	OP-PBRSUP_MBPP TV renewal.pdf
Hash	314FC5CFF7D1C60FDD8D7DFB0D2159684978EE0C0D123066794AC4B46A8BDFD2
MIME-Type	application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name	OP-SUMR_MBPP TV renewal.pdf
Hash	23ABB12F7A12FD7C39727DAE4F8A1B9B49CE7B69734DC9B290F29FFD16BAA1CB
MIME-Type	application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA12_MBPP TV renewal.pdf
Hash	225F0419CD98966327CFDFB1CF3C1403C9298BF900BD5D5C4368C078DA5002A7
MIME-Type	application/pdf

[File Properties]

File Name	OP-UA13_MBPP TV renewal.pdf
Hash	23AA504DB0040AEB4F35E1FE3E74419045530CBEE9C0DEA721B1146AA74B7A74
MIME-Type	application/pdf

[File Properties]

File Name	OP-UA15_MBPP TV renewal.pdf
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MIME-Type	application/pdf

[File Properties]

File Name	OP-UA16_MBPP TV renewal.pdf
Hash	3260A12C14714C140455F92832C55EA8EF4EDB1FBE0807F4A5A48B0F6B86DC0F
MIME-Type	application/pdf

[File Properties]

File Name	OP-UA1_MBPP TV renewal.pdf
Hash	6FCD4E59A153D38DD504311BDFF8B0F1F359E9B3CE2CEE9BBEA38EB2C3454188
MIME-Type	application/pdf

[File Properties]

File Name	OP-UA2_MBPP TV renewal.pdf
Hash	8AF9CDB181C0A64DBE35D8FCC45003D291CBE9B21E0B17158BE7CAD203A8B139

MIME-Type	application/pdf
[File Properties]	
File Name	OP-UA3_MBPP TV renewal.pdf
Hash	3F71C776C2A09A31179DBB6C948EA0E4A2547CA2A95B30C935A634CAB05C3D99
MIME-Type	application/pdf
[File Properties]	
File Name	OP-UA4_MBPP TV renewal.pdf
Hash	F7F3AF2926D02C1DF5D3265ADA1C7B7D159787DBE1FA3290677C0ED65482AE9B
MIME-Type	application/pdf
[File Properties]	
File Name	OP-UA6_MBPP TV renewal.pdf
Hash	8789F19CEE151A2A5BDED5C46F5EF1CAE9420AB923E3617CC4977C5FD6F85F1B
MIME-Type	application/pdf
[File Properties]	
File Name	OP-UA7_MBPP TV renewal.pdf
Hash	A364C0F48E67E95A74C56B21FA1EEF246E306F278A0DA75337FD303023E8AD2A
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	MBPP Title V Renewal 2024.pdf
Hash	610F9D3B51F9315887B3005A2F9413723418DAB6A7730A8428B136B70D973FE4
MIME-Type	application/pdf
[File Properties]	
File Name	OP-CRO1_MBPP TV renewal.pdf
Hash	1395442E02AB324D0EA3DC7F04EC10791B2BE161639263582C437E104A7F0F62
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 Robert J Hill, the owner of the STEERS account ER096515.
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 enforcemer 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 2276.
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: Robert J Hill OWNER OPERATOR

Account Number:	ER096515
Signature IP Address:	136.228.238.215
Signature Date:	2024-09-27
Signature Hash:	20C4DA2EE0366ABA90F38356664CA04CD82FE65A27112665AED7C8DDD7B0815F
Form Hash Code at time of Signature:	0102F238176C5001F84A2FCD797C28B516B4B164716594BA0EB1333C2F173F2E

Submission

Reference Number:	The application reference number is 686765
Submitted by:	The application was submitted by ER096515/Robert J Hill
Submitted Timestamp:	The application was submitted on 2024-09-27 at 13:26:27 CDT
Submitted From:	The application was submitted from IP address 136.228.238.215
Confirmation Number:	The confirmation number is 566878
Steers Version:	The STEERS version is 6.82
Permit Number:	The permit number is 2276

Additional Information

Application Creator: This account was created by Siva Sankar Thanapal

Exxon Mobil Corporation
Mont Belvieu Plastics Plant
PO Box 1653
Mont Belvieu, Texas 77580-1653

Submitted via ePermits

September 25, 2024

Air Permits Initial Review Team (APIRT)
Texas Commission on Environmental Quality

Re: Renewal Application for Federal Operating Permit No. O2276
Exxon Mobil Corporation Mont Belvieu Plastics Plant
CN600123939; RN102501020; Account Number CI-0009-P

To Whom It May Concern:

In accordance with 30 TAC §122.133, Exxon Mobil Corporation is hereby submitting a renewal application for Federal Operating Permit (FOP) No. 2276 for the Mont Belvieu Plastics Plant (MBPP). This information is being submitted in accordance with 30 TAC §122.241 and 30 TAC §122.243 and meets all the requirements to qualify as an application for a timely permit renewal.

Should you need any additional information, please contact Siva Sankar Thanapal at 254-545-3630 or siva.thanapal@exxonmobil.com.

Sincerely,

Allison Korenek
Environmental Section Supervisor

cc:
Certified Mail # 9589 0710 5270 0585 4425 75

Air Section Manager, Region 12
Texas Commission on Environmental Quality
5425 Polk Street, Suite H
Houston, TX 77023-1452

Electronic Copy:
EPA Region VI
R6AirPermitsTX@epa.gov

Renewal Application for
Federal Operating Permit No. O2276

for

Exxon Mobil Corporation
Mont Belvieu Plastics Plant

Mont Belvieu, Chambers County, Texas

September 2024

TABLE OF CONTENTS

SECTION 1
INTRODUCTION

Exxon Mobil Corporation is submitting this application for a renewal of Federal Operating Permit (FOP) No. O2276 for the Mont Belvieu Plastics Plant (MBPP). Permit No. O2276 was issued on September 10, 2003 and last renewed on April 1, 2020. Per Title 30 of Texas Administrative Code (30 TAC) §122.241(b), the permit expires no later than five (5) years from issuance or renewal, and a timely application shall be submitted. This renewal application is being submitted as a timely application, as it is being submitted at least six (6) months and no earlier than eight (18) months prior to the permit's expiration on April 1, 2025.

1.1 Summary of Changes

A summary of the changes requested in this renewal application are provided below by source type.

Engines

- Removal of four (4) Unit IDs from Title V permit.

Boilers

- Updating fuel type for Unit IDs LDBLR2 and HDBLR3 for 30 TAC Chapter 117, Subchapter B.

Storage Tanks

- Addition of 40 CFR Part 63, Subpart FFFF applicability for Unit ID PEXTK1.
- Addition of tank fitting information for 40 CFR Part 63, Subpart FFFF for Unit IDs HDTK4702 and HDTK4703.

Pressure relief devices

- Addition of UNIT IDs PSE4301, PSE97007, and PSE06101 with regulatory applicability for 40 CFR 63, Subpart FFFF.
- Addition of a new Group ID GRPHDPSE for these three Unit IDs.

Stationary Vents

- Addition of new Unit ID L1BD15004 to Group ID GRPLPEVNT1.
- Addition of new Unit IDs L1SF03100 and L1SF03101 to Group ID GRPLPEVNT3.
- Addition of new Unit IDs BR-13001, BR-13002, BR-23158, BR-24163, and BR-24164 to Title V Permit.
- Removal of Unit IDs L1SF03539, L1SF03540 and L1SF03543 from Title V permit.
- Removal of Unit ID L1ANALYZER from Group ID GRPLPEVNT3 and added applicability for 30 TAC Chapter 115, Subchapter H.

Cooling Towers

- Addition of 40 CFR Part 63, Subpart FFFF applicability for Unit IDs LDCOOLTWR and RUCT01.

Flares

- Addition of 40 CFR Part 63, Subpart FFFF applicability for Unit IDs LDFLARE, HDFLARE, 3UFLARE62 and 3UFLARE63.
- Update to 30 TAC Chapter 115, Subchapter H applicability for Unit IDs LDFLARE, HDFLARE, 3UFLARE62, and 3UFLARE63.
- Update to flare assist type for Unit ID 3UFLARE62 under 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A.

Other Changes

- Addition of §106.124 (09/04/2000) to the New Source Review Authorization References.
- Supplemental information for Permit by Rules utilized from the last Title V Renewal are included in OP-PBRSUP.
- Applicability determination information and general information are updated in OP-REQ1.
- Applicable requirements information for multiple Unit IDs are provided in Form OP-REQ3.
- Update issuance date for New Source Review (NSR) Permits 19016, 103048 and Standard Permit No. 123967.
- Update NSR Permit Authorizations based on Permit by Rule registrations for Unit IDs MBPPFUGEM, RUPK71, and L1ANALYZER to authorize additional emissions.

1.2 Application Overview

This document constitutes a complete FOP renewal application in accordance with 30 TAC Chapter 122. Key components of a complete application are included in this document as follows:

- General and administrative information is included in Section 2;
- Emission unit/process information is included in Section 3;
- Potentially applicable requirement information is included in Section 4;
- Information regarding Compliance Status information is included in Section 5;

SECTION 2
GENERAL AND ADMINISTRATIVE FORMS

This section includes all information related to the administrative details of the renewal application.

2.1 Site Information Summary *(Form OP-1)*

Form OP-1 provides company and site identifying information, contact information, and public notice information to support the FOP review and processing.

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: **Exxon Mobil Corporation**
B.	Customer Reference Number (CN): **CN600123939**
C.	Submittal Date *(mm/dd/yyyy):* **09/25/2024**
II.	**Site Information**
A.	Site Name: **Mont Belvieu Plastics Plant**
B.	Regulated Entity Reference Number (RN): **RN102501020**
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A	
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*
☒ VOC ☒ NO_X ☐ SO_2 ☐ PM_{10} ☒ CO ☐ Pb ☒ HAPS	
Other:	
E.	Is the site a non-major source subject to the Federal Operating Permit Program? ☐ YES ☒ NO
F.	Is the site within a local program area jurisdiction? ☐ YES ☒ NO
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ YES ☒ NO
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging: N/A
III.	**Permit Type**
A.	Type of Permit Requested: *(Select only one response)*
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 2)
Texas Commission on Environmental Quality

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ YES ☐ NO
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ YES ☐ NO
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ YES ☐ NO
E.	Has the required Public Involvement Plan been included with this application?	☐ YES ☐ NO
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ YES ☒ NO
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☐ Mr. ☒ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: **Jessica N. Vasquez**		
RO Title: **Plant Manager**		
Employer Name: **Exxon Mobil Corporation**		
Mailing Address: **P.O. Box 1653**		
City: **Mont Belvieu**		
State: **TX**		
ZIP Code: **77580**		
Territory:		
Country:		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: **832-864-4920**		
Fax No.:		
Email: **jessica.n.vasquez@exxonmobil.com**		

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

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)	
Technical Contact Full Name: **Siva Sankar Thanapal**	
Technical Contact Title: **Air Permits Advisor**	
Employer Name: **Exxon Mobil Corporation**	
Mailing Address: **P.O. Box 1653**	
City: **Mont Belvieu**	
State: **TX**	
ZIP Code: **77520**	
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: **254-545-3630**	
Fax No.:	
Email: **siva.thanapal@exxonmobil.com**	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: **Brandon Creighton**	
B. State Representative: **Terri Leo-Wilson**	
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ YES ☐ NO ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☒ YES ☐ NO
E. Indicate the alternate language(s) in which public notice is required: **Spanish**	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 4)
Texas Commission on Environmental Quality

IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name:
B.	Physical Address:
City:	
State:	
ZIP Code:	
Territory:	
Country:	
Foreign Postal Code:	
C.	Physical Location:
D.	Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name:	
E.	Telephone No.:
X.	**Application Area Information**
A.	Area Name: **Mont Belvieu Plastics Plant**
B.	Physical Address: **13330 Hatcherville Road**
City: **Mont Belvieu**	
State: **TX**	
ZIP Code: **77580**	
C.	Physical Location:
D.	Nearest City: **Mont Belvieu**
E.	State: **Texas**
F.	ZIP Code: **77580**

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): **29° 52' 29"**
H.	Longitude (nearest second): **094° 54' 58"**
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: **300**
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: **Sam and Carmena Goss Memorial Library**
B.	Physical Address: **1 John Hall Drive**
City: **Mont Belvieu**	
ZIP Code: **77580**	
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: **Siva Sankar Thanapal**	
Contact Mailing Address: **P.O. Box 1653**	
City: **Mont Belvieu**	
State: **TX**	
ZIP Code: **77520**	
Territory:	
Country:	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: **254-545-3630**	

Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 6)
Texas Commission on Environmental Quality

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

2.2 Application for Permit Revision/Renewal *(Form OP-2)*

Form OP-2 provided in this section summarizes changes that are requested for FOP No. O2276.

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

Date: **09/25/2024**	
Permit No.: **O2276**	
Regulated Entity No.: **RN102501020**	
Company Name: **Exxon Mobil Corporation**	
For Submissions to EPA	
Has an electronic 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	☒ YES ☐ NO
For GOP Revisions Only	☐ YES ☐ NO

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

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)						
Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*						
☐ VOC	☐ NO_X	☐ SO_2	☐ PM_{10}	☐ CO	☐ Pb	☐ HAP
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 to 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: **09/25/2024**
Permit No.: **O2276**
Regulated Entity No.: **RN102501020**
Company Name: **Exxon Mobil Corporation**

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

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-C	No	UTCENG1	OP-SUMR	N/A	Removing Unit ID from Title V Permit
2	MS-C	No	UTCENG2	OP-SUMR	N/A	Removing Unit ID from Title V Permit
3	MS-C	Yes	GRPHDPSE PSE4301 PSE97007 PSE06101	OP-SUMR OP-UA1 OP-REQ3	19016	Adding new Group ID to Title V Permit. Adding new Unit IDs to Title V Permit. Adding applicability for 40 CFR Part 63, Subpart FFFF
4	MS-C	No	LDCOOLTWR	OP-UA1 OP-REQ3	19016	Adding applicable requirements for 40 CFR Part 63, Subpart FFFF
5	MS-C	No	RUCT01	OP-UA1 OP-REQ3	103048	Adding applicable requirements for 40 CFR Part 63, Subpart FFFF
6	MS-C	No	LDFLARE	OP-UA1 OP-REQ3	19016	Adding applicability for 40 CFR Part 63, Subpart FFFF
7	MS-C	No	HDFLARE	OP-UA1 OP-REQ3	19016	Adding applicability for 40 CFR Part 63, Subpart FFFF

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
8	MS-C	No	3UFLARE62	OP-UA1 OP-REQ3	103048	Adding applicability for 40 CFR Part 63, Subpart FFFF
9	MS-C	No	3UFLARE63	OP-UA1 OP-REQ3	103048	Adding applicability for 40 CFR Part 63, Subpart FFFF
10	MS-C	Yes	L1BD15004	OP-SUMR	19016	Adding new Unit ID to Group ID No. GRPLPEVNT1
11	MS-C	Yes	L1SF03100 L1SF03101	OP-SUMR	19016	Adding new Unit ID to Group ID no. GRPLPEVNT3
12	MS-C	No	L1SF03539	OP-SUMR	19016	Removing Unit IDs from Title V Permit.
13	MS-C	No	L1SF03540	OP-SUMR	19016	Removing Unit IDs from Title V Permit.
14	MS-C	No	L1SF03543	OP-SUMR	19016	Removing Unit IDs from Title V Permit.
15	ADMIN-E	No	L1ANALYZER	OP-SUMR OP-UA15 OP-PBRSUP	19016, 175548	Removing Unit ID from Group ID no. GRPLPEVNT3. Adding applicability for 30 TAC Chapter 115, Subchapter B and Subchapter H. Additional emissions requested to be authorized under PBR 106.261/11/01/2003 (PBR Registration No. 175548). This NSR permit action does not affect existing regulatory applicability.
16	MS-A	No	3DDC04X	OP-SUMR	103048	Update NSR authorization reference to 103048.
17	MS-C	Yes	BR-13001 BR-13002 BR-23158 BR-24163 BR-24164	OP-SUMR OP-PBRSUP	147496	Adding new Unit ID to Title V Permit. Adding 106.261 / 11/01/2003 to the New Source Review Authorization References by Emissions Unit Table (PBR Registration No. 147496, issued 7/27/2017)

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
18	MS-C	No	LDFLARE HDFLARE	OP-UA7	19016	Updating applicability for 30 TAC Chapter 115, Subchapter H
19	MS-C	No	3UFLARE62 3UFLARE63	OP-UA7	103048	Updating applicability for 30 TAC Chapter 115, Subchapter H
20	MS-C	No	PEXTK1	OP-UA3	103048	Adding applicability for 40 CFR Part 63, Subpart FFFF
21	MS-C	No	LDBLR2 HDBLR3	OP-UA6	19016	Updating fuel type for 30 TAC Chapter 117
22	MS-C	No	BRKCKENG1	OP-SUMR	N/A	Removing Unit ID from Title V Permit
23	MS-C	No	BRKCKENG2	OP-SUMR	N/A	Removing Unit ID from Title V Permit
24	MS-A	No	N/A	OP-REQ1	19016	Incorporating NSR Permit No. 19016 amendment issued 06/21/24. This NSR Permit action does not affect existing regulatory applicability.
25	MS-A	No	N.A	OP-REQ1	103048	Incorporating NSR Permit No. 103048 renewal issued 11/30/23. This NSR Permit action does not affect existing regulatory applicability.
26	MS-A	No	N/A	OP-REQ1	123967	Incorporating Standard Permit No. 123967 amendment issued 06/21/24. This Permit action does not affect existing regulatory applicability
27	MS-A	No	MBPPFUGEM	OP-SUMR OP-PBRSUP	163891 165992 168992 170124 172156 172502 175548 175556 177109	Additional emissions requested to be authorized under PBRs 106.261/11/01/2003 (PBR Registration No. 163891, 172156, 175548), 106.262/11/01/2003 (PBR Registration No. 170124) and 106.261/11/01/2003 / 106.262/11/01/2003 (PBR Registration No. 165992, 168992, 172502, 175556, 177109). This NSR permit action does not affect existing regulatory applicability.

Revision No.	Revision Code	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
28	MS-A	No	RUPK71	OP-SUMR OP-PBRSUP	172502	Additional emissions requested to be authorized under PBR 106.261/11/01/2003 / 106.262/11/01/2003 (PBR Registration No. 172502). This NSR permit action does not affect existing regulatory applicability.
29	MS-C	No	HDTK4702 HDTK4703	OP-UA3	19016	Adding tank fitting information for 40 CFR Part 63, Subpart FFFF
30	MS-C	No	3UFLARE62	OP-UA7	103048	Updating assist type for 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A

Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2-Table 3
Texas Commission on Environmental Quality

Date: **09/25/2024**		
Permit No.: **O2276**		
Regulated Entity No.: **RN102501020**		
Company Name: **Exxon Mobil Corporation**		
I.	**Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☒ YES ☐ NO
B.	Indicate the alternate language(s) in which public notice is required: Spanish	
C.	Will, there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☒ NO

2.3 Certification by Responsible Official *(Form OP-CRO1)*

Form OP-CRO1, Certification by Responsible Official, allows the Responsible Official or his/her appropriate designee to certify all documents submitted to the TCEQ in support of an FOP pursuant to 30 TAC §122.165.

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: **RN102501020**	
CN: **CN600123939**	
Account No.: **CI-0009-P**	
Permit No.: **O2276**	
Project No.: **TBA**	
Area Name: **Mont Belvieu Plastics Plant**	
Company Name: **Exxon Mobil Corporation**	
II. Certification Type *(Please mark appropriate box)*	
☒ Responsible Official Representative	☐ Duly Authorized Representative
III. Submittal Type *(Please mark appropriate box) (Only one response can be accepted per form)*	
☐ SOP/TOP Initial Permit Application	☒ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application	☐ Update to Permit Application
☐ Other: _____	

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

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

IV. Certification of Truth

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

I, **Jessica N. Vasquez** certify that I am the **RO**

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

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

Time Period: From _____ to _____

(Start Date) *(End Date)*

Specific Dates: **09/25/2024** _____ _____ _____

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

_____ _____

(Date 5) *(Date 6)*

Signature: Jessica Vasquez Signature Date: 9/25/24

Title: **Plant Manager**

SECTION 3
EMISSION UNIT INFORMATION

This section contains the information relating to emission units addressed by the Federal Operating Permit.

3.1 Individual Unit Summary for Revisions *(Form OP-SUMR)*

Form OP-SUMR provided in this section lists individual emission units and provides identifying information and preconstruction authorizations. Bold indicates new information to be added/updated; strikethrough indicates information to be deleted.

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

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	1	UTCENG1	OP-SUMR	SRIC Engines			
D	2	UTCENG2	OP-SUMR	SRIC Engines			
A	**3**	**PSE4301**	**OP-SUMR OP-UA1 OP-REQ3**	**Pressure relief devices**		**19016**	
A	**3**	**PSE97007**	**OP-SUMR OP-UA1 OP-REQ3**	**Pressure relief devices**		**19016**	
A	**3**	**PSE06101**	**OP-SUMR OP-UA1 OP-REQ3**	**Pressure relief devices**		**19016**	
A	**10**	**L1BD15004**	**OP-SUMR**	**Pellet Pullback Receiver**		**19016**	
A	**11**	**L1SF03100**	**OP-SUMR**	**Catalyst Loading Station Filter**		**19016**	
A	**11**	**L1SF03101**	**OP-SUMR**	**Catalyst Loading Station Filter**		**19016**	

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	12	L1SF03539	OP-SUMR	Catalyst Loading Station Filter		19016	
D	13	L1SF03540	OP-SUMR	Catalyst Loading Station Filter		19016	
D	14	L1SF03543	OP-SUMR	Catalyst Loading Station Filter		19016	
	15	L1ANALYZER	OP-SUMR OP-UA15 OP-PBRSUP	LPE Analyzer Vents		19016, **106.261/11/01/2003 [175548]**	
	16	3DDC04X	OP-SUMR	Granule Filter Receiver (Seed Bed Filter)		~~106.261/11/01/2003~~ **103048**	
A	**17**	**BR-13001**	**OP-SUMR OP-PBRSUP**	**E1 Vacuum Blower**		**106.261/ 11/01/2003 (147496)**	
A	**17**	**BR-13002**	**OP-SUMR OP-PBRSUP**	**E1 Extruder Feeder Common Vent**		**106.261/ 11/01/2003 (147496)**	
A	**17**	**BR-23158**	**OP-SUMR OP-PBRSUP**	**E1 Intermediate Day Tank**		**106.261/ 11/01/2003 (147496)**	
A	**17**	**BR-24163**	**OP-SUMR OP-PBRSUP**	**E3 Supersack Vacuum Receiver Filter**		**106.261/ 11/01/2003 (147496)**	
A	**17**	**BR-24164**	**OP-SUMR OP-PBRSUP**	**E3 Vacuum Blower**		**106.261/ 11/01/2003 (147496)**	
D	22	BRKCKENG1	OP-SUMR	SRIC Engines			

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
D	23	BRKCKENG2	OP-SUMR	SRIC Engines			
	27	MBPPFUGEM	OP-SUMR OP-PBRSUP	Plant Fugitives		103048, 123967, 19016, 106.261/11/01/2003 **[163891,165992,168992,172156,172502, 175556,175548,177109]**, 106.262/11/01/2003 **[165992,168992,170124,172502,175556, 177109]**	
	28	RUPK71	OP-SUMR OP-PBRSUP	Regenerative Thermal Oxidizer		103048, **106.261/11/01/2003 [172502], 106.262/11/01/2003 [172502]**	

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

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	**PSE4301**	**OP-SUMR OP-UA1 OP-REQ3**	**A**	**GRPHDPSE**
3	**PSE97007**	**OP-SUMR OP-UA1 OP-REQ3**	**A**	**GRPHDPSE**
3	**PSE06101**	**OP-SUMR OP-UA1 OP-REQ3**	**A**	**GRPHDPSE**
10	**L1BD15004**	**OP-SUMR**	**A**	**GRPLPEVNT1**
11	**L1SF03100**	**OP-SUMR**	**A**	**GRPLPEVNT3**
11	**L1SF03101**	**OP-SUMR**	**A**	**GRPLPEVNT3**
12	L1SF03539	OP-SUMR	D	GRPLPEVNT3
13	L1SF03540	OP-SUMR	D	GRPLPEVNT3
14	L1SF03543	OP-SUMR	D	GRPLPEVNT3

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
15	L1ANALYZER	OP-SUMR OP-UA15	D	GRPLPEVNT3

3.2 Unit Attribute Forms *(Forms OP-UA)*

This section contains the applicable unit attribute forms summarized below. The forms provided are TCEQ's most updated versions of the UA forms. Bold indicates new information to be added/updated; strikethrough indicates information to be deleted. Answers that are not in bold or strikethrough font should match the data in the Information Management System. For the UA forms which were updated recently, the entirety of the UA form is submitted with existing information along with the changes requested as part of the renewal application.

- OP-UA1: Miscellaneous Unit Attributes (Page 1)
- OP-UA2: Stationary Reciprocating Internal Combustion Engine Attributes
  - 30 TAC Chapter 117, Subchapter B (Tables 1a)
  - 40 CFR Part 63, Subpart ZZZZ (Table 2a)
- OP-UA3: Storage Tank/Vessel Attributes
  - 40 CFR Part 60, Subpart Ka (Table 2)
  - 40 CFR Part 60, Subpart Kb (Table 3)
  - 30 TAC Chapter 115, Subchapter B (Tables 4a-b)
  - 40 CFR Part 63, Subpart FFFF (Tables 21a, c, & d)
- OP-UA4: Loading/Unloading Operations Attributes
  - 30 TAC Chapter 115, Subchapter C (Tables 1a-b)
  - 40 CFR Part 63, Subpart FFFF (Table 9a)
- OP-UA6: Boiler/Steam Generator/Steam Generating Unit Attributes
  - 40 CFR Part 60, Subpart D (Table 1a)
  - 40 CFR Part 60, Subpart Db (Table 3a)
  - 40 CFR Part 60, Subpart Dc (Tables 4a-b)
  - 30 TAC Chapter 117, Subchapter B (Tables 5a-c)
  - 40 CFR Part 63, Subpart FFFF (Tables 14a-b)
- OP-UA7: Flare Attributes
  - 30 TAC Chapter 111 (Table 1)
  - 40 CFR Part 60, Subpart A (Table 3)
  - 40 CFR Part 63, Subpart A (Table 4)
  - 30 TAC Chapter 115, Subchapter H (Tables 5a-b)
- OP-UA12: Fugitive Emission Unit Attributes
  - 30 TAC Chapter 115, Subchapter D (Tables 2a-j)
  - 40 CFR Part 60, Subpart DDD (Tables 5a-h)
  - 30 TAC Chapter 115, Subchapter H (Tables 16a-g)
- OP-UA13: Cooling Tower Attributes
  - 40 CFR Part 63, Subpart Q (Table 1)
  - 30 TAC Chapter 115, Subchapter H (Tables 3a-b)
  - 40 CFR Part 63, Subpart FFFF (Table 6)

- OP-UA15: Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
    - 30 TAC Chapter 111 (Table 1a)
    - 30 TAC Chapter 115, Subchapter B (Tables 2a-b)
    - 30 TAC Chapter 115, Subchapter H (Tables 12a-b)
    - 40 CFR Part 63, Subpart FFFF (Tables 13a-g)
- OP-UA16: Solvent Degreasing Machine Attributes
    - 30 TAC Chapter 115, Subchapter E (Table 1)
    - 40 CFR Part 63, Subpart T (Table 2a)

Texas Commission on Environmental Quality
Miscellaneous Unit Attributes
Form OP-UA1 (Page 1)
Federal Operating Permit Program

Date:	**09/25/2024**
Permit No.:	**O2276**
Regulated Entity No.:	**RN102501020**

Unit ID No.	SOP/GOP Index No.	Unit Type	Date Constructed/Placed in Service	Functionally Identical Replacement	Maximum Rated Capacity	Technical Information and Unit Description
GRPHDPSE	**63FFFF-5**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2450(t) applies to pressure relief devices**
LDCOOLTWR	**63FFFF-CT**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2490(d) applies to Cooling Towers**
RUCT01	**63FFFF-CT**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2490(d) applies to Cooling Towers**
LDFLARE	**63FFFF-6**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2450(e)(5) applies to Flares**
HDFLARE	**63FFFF-6**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2450(e)(5) applies to Flares**
3UFLARE62	**63FFFF-6**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2450(e)(5) applies to Flares**
3UFLARE63	**63FFFF-7**	**EU**				**40 CFR Part 63 Subpart FFFF § 63.2450(e)(5) applies to Flares**

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Horsepower Rating	RACT Date Placed in Service	Functionally Identical Replacement	Type of Service	Fuel Fired	Engine Type	ESAD Date Placed in Service	Diesel HP Rating
ENG01FF	R117-1				D2001-				
ENG02GEN	R117-1				D2001-				
ENG03GEN	R117-1				D2001+				
~~UTCENG1~~	~~R7117-3~~				~~ENG~~	~~DSL~~	~~LEANBURN~~	~~07+~~	~~50-100~~
~~UTCENG2~~	~~R7117-3~~	~~300-~~			~~ENG~~	~~OFG~~	~~LEANBURN~~		
~~BRKCKENG1~~	~~R7117-3~~				~~ENG~~	~~DSL~~	~~LEANBURN~~	~~07+~~	~~25-50~~
~~BRKCKENG2~~	~~R7117-1~~	~~50-~~			~~D2001+~~				

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 2)
Federal Operating Permit Program
Table 1b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	NO_x Emission Limitation	23-C Option	30 TAC Chapter 116 Limit	EGF System CAP Unit	NO_x Averaging Method	NO_x Reduction	NO_x Monitoring System
~~UTCENG1~~	~~R7117-3~~	~~310D~~			~~NO~~	~~30D~~	~~NONE~~	~~MERT~~
~~UTCENG2~~	~~R7117-3~~	~~310D~~			~~NO~~	~~30D~~	~~NONE~~	~~MERT~~
~~BRKCKENG1~~	~~R7117-3~~	~~310D~~			~~NO~~	~~30D~~	~~NONE~~	~~MERT~~

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 3)
Federal Operating Permit Program
Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Fuel Flow Monitoring	CO Emission Limitation	CO Averaging Method	CO Monitoring System	NH_3 Emission Limitation	NH_3 Monitoring
~~UTCENG1~~	~~R7117-3~~	~~X40A2-C~~	~~310C~~	~~30D~~	~~OTHER~~		
~~UTCENG2~~	~~R7117-3~~	~~X40A~~	~~310C~~	~~30D~~	~~OTHER~~		
~~BRKCKENG1~~	~~R7117-3~~	~~X40A2-C~~	~~310CG~~	~~1HR~~	~~OTHER~~		

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
ENG01FF	ZZZZ-1	MAJOR	100-	02-		EMER-A	CI
ENG02GEN	ZZZZ-1	MAJOR	100-	02-		EMER-A	CI
ENG03GEN	ZZZZ-1	MAJOR	500+	06+		EMER-A	
~~UTCENG1~~	~~ZZZZ-5~~	~~MAJOR~~	~~100-~~	~~06+~~		~~NORMAL~~	~~CI~~
~~UTCENG2~~	~~ZZZZ-6~~	~~MAJOR~~	~~100-~~	~~06+~~		~~NORMAL~~	~~2SLB~~
~~BRKCKENG1~~	~~ZZZZ-5~~	~~MAJOR~~	~~100-~~	~~06+~~		~~NORMAL~~	~~4SLB~~
~~BRKCKENG2~~	~~ZZZZ-5~~	~~MAJOR~~	~~100-~~	~~06+~~		~~EMER-A~~	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
~~UTCENG2~~	~~60JJJJ-1~~	~~YES~~	~~NO~~	~~NONE~~	~~NO~~	~~25-~~	~~GASO~~			~~CON~~

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
~~UTCENG2~~	~~60JJJJ 1~~	~~N25 0112+~~	~~66~~	~~YES~~	~~YES~~		~~NON~~		

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 10)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
~~UTCENG1~~	~~60IIII-2~~	~~2005+~~	~~NONE~~	~~NON~~	~~CON~~	~~0406+~~
~~BRKCKENG1~~	~~60IIII-1~~	~~2005+~~	~~NONE~~	~~NON~~	~~CON~~	~~0406+~~
~~BRKCKENG2~~	~~60IIII-1~~	~~2005+~~	~~NONE~~	~~EMERG~~	~~CON~~	~~0406+~~

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 11)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
~~UTCENG1~~	~~60IIII 2~~	~~DIESEL~~		~~10~~	~~NO~~	~~2017+~~	
~~BRKCKENG1~~	~~60IIII 1~~	~~DIESEL~~		~~10~~	~~NO~~	~~2017+~~	
~~BRKCKENG2~~	~~60IIII 1~~	~~DIESEL~~		~~10~~		~~2017+~~	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 12)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
~~UTCENG1~~	~~60IIII-2~~	~~N19-37~~	~~NO~~			~~MANU YES~~		
~~BRKCKENG1~~	~~60IIII-1~~	~~N19-37~~	~~NO~~			~~MANU YES~~		
~~BRKCKENG2~~	~~60IIII-1~~	~~E37-75~~	~~YES~~			~~MANU YES~~		

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 2)
Federal Operating Permit Program
Table 2: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	True Vapor Pressure	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.
L1TK92026	60Ka-1	OTHER2								
L1TKBUTANE	60Ka	PTLQ-2	40K-							
GRPLPETK2	60Ka-1	OTHER2								

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
ENG02GENTK	60Kb-1	PTLQ-3	10K-							
HDTK6510	60Kb-1	VOL	10K-							
HDTK95050	60Kb-1	VOL	10K-							
HDTKV83011	60Kb-1	VOL	10K-							
GRPLPETK1	60Kb-2	VOL	10K-20K							
L1TK25053	60Kb-1	VOL	10K-							
L1TKAST1A	60Kb	PTLQ-3	10K-							
L1TKAST1B	60Kb	PTLQ-3	10K-							
L1TKV-06151	60Kb	VOL	10K-							
RLD01	60Kb-1	VOL	10K-							
RLD02	60Kb-1	VOL	10K-							

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

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
ENG02GENTK	R5112-2	NO		VOC1	A1K-25K			
HDTK4702	R5112-3	NO		VOC1	A40K+			
HDTK4703	R5112-3	NO		VOC1	A40K+			
HDTK6510	R5112-1	NO		VOC1	A1K-			
HDTK95050	R5112-1	NO		VOC1	A1K-			
HDTKV83011	R5112-2	NO		VOC1	A1K-25K			
GRPLPETK1	R5112-2	NO		VOC1	A1K-25K			
L1TK25053	R5112-2	NO		VOC1	A1K-25K			
L1TK92026	R5112-2	NO		VOC1	A1K-25K			
L1TKAST1A	R5112	NO		GASMV	A25K-			
L1TKAST1B	R5112	NO		VOC1	A1K-25K			
L1TKBUTANE	R5112-5	NO		VOC1	A25K-40K			
GRPLPETK2	R5112-5	NO		VOC1	A40K+			

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
L1TKV-06151	R5112	NO		VOC1	A1K-25K			
PEXTK1	R5112-3	NO		VOC1	A40K+			
RLD01	R5112	NO		VOC1	A1K-			
RLD02	R5112	NO		VOC1	A1K-			
V-97001	R5112-2	NO		VOC1	A25K-40K			

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

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

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.
ENG02GENTK	R5112-2		NONE1	1-				
HDTK4702	R5112-3		IFR1	1.5+A				
HDTK4703	R5112-3		IFR1	1.5+A				
HDTKV83011	R5112-2		NONE1	1-				
GRPLPETK1	R5112-2		NONE1	1-				
L1TK25053	R5112-2		NONE1	1-				
L1TK92026	R5112-2		NONE1	1-				
L1TKAST1A	R5112		SFP1	1.5+A				
L1TKAST1B	R5112		NONE1	1-				
L1TKBUTANE	R5112-5		VRS1	1.5+A			FLARE	LDFLARE
GRPLPETK2	R5112-5		VRS1	1.5+A			FLARE	LDFLARE
L1TKV-06151	R5112		NONE1	1-1.5				
PEXTK1	R5112-3		IFR1	1.5+A				

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.
V-97001	R5112-2		NONE1	1-				

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 51)
Federal Operating Permit Program
Table 21a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Emission Standard	Comb Device	95% Scrubber	PERF Test	Negative Pressure	Bypass Line
DM-4110A/B	63FFFF-G1SCV	76-FLR					
DM-4111	63FFFF-G1SCV	76-FLR					
DM-4301	63FFFF-G1SCV	76-FLR					
DM-4701	63FFFF-G1SCV	76-FLR					
DM-6801	63FFFF-G1ST	76-FLR					
HDTK4702	63FFFF-G1SCV	63WW					
HDTK4703	63FFFF-G1ST	63WW					
L1TKV03512	63FFFF-G1ST	76-FLR					
L1TKV-06151	63FFFF-G1ST	76-FLR					
V-97001	63FFFF-G1ST	76-FLR					
PEXTK1	**63FFFF-G1STV**	**63WW**					

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 53)
Federal Operating Permit Program
Table 21c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Negative Pressure	Bypass Line
DM-4110A/B	63FFFF-G1SCV	NO	NO	NO	YES	YES	
DM-4111	63FFFF-G1SCV	NO	NO	NO	YES	YES	
DM-4301	63FFFF-G1SCV	NO	NO	NO	YES	YES	
DM-4701	63FFFF-G1SCV	NO	NO	NO	YES	YES	
DM-6801	63FFFF-G1ST	NO	NO	NO	YES	YES	
L1TKV03512	63FFFF-G1ST	NO	NO	NO	YES	YES	
L1TKV-06151	63FFFF-G1ST	NO	NO	NO	YES	YES	
V-97001	63FFFF-G1ST	NO	NO	NO	YES	YES	

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 54)
Federal Operating Permit Program
Table 21d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, Storage Vessels
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	WW Tank Control	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement
HDTK4702	63FFFF-G1SCV	IFR	NO	**NONE**	IFR-SL	NO
HDTK4703	63FFFF-G1ST	IFR	NO	**NONE**	IFR-SL	NO
PEXTK1	**63FFFF-G1STV**	**IFR**	**NO**	**SLEEVE**	**IFR-MT**	**NO**

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
BUTANERACK	R5212-3	OTHER	NONE		VOC1	BOTH	0.5+	20K-	
BUTENERACK	R5212-3	OTHER	NONE		VOC1	BOTH	0.5+	20K-	
CHEMUNLOAD	R5212-5	OTHER	NONE		VOC1	UNLOAD	0.5-		
CHEMUNLOAD	R5212-6	OTHER	NONE		VOC1	UNLOAD	0.5+		
HDWAXRACK	R5212-1	OTHER	NONE		VOC1	BOTH	0.5-		
HEXANE RACK	R5212-2	OTHER	NONE		VOC1	BOTH	0.5+	20K-	
HEXENERACK	R5212-2	OTHER	NONE		VOC1	BOTH	0.5+	20K-	
ISOPENRACK	R5212-2	OTHER	NONE		VOC1	BOTH	0.5+	20K-	
OILYWRACK	R5212-1	OTHER	NONE		VOC1	BOTH	0.5-		
OLIGORACK	R5212-2	OTHER	NONE		VOC1	BOTH	0.5+	20K-	
TOLRACK	R5212-2	OTHER	NONE		VOC1	BOTH	0.5+	20K-	

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 2)
Federal Operating Permit Program
Table 1b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor-Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
CHEMUNLOAD	R5212-5	NONE						
CHEMUNLOAD	R5212-6	NONE		YES				

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 16)
Federal Operating Permit Program
Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
Texas Commission on Environmental Quality

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Emission Standard	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Negative Pressure	Bypass Line
HDWAXRACK	63FFFF-G2TR	NONE						
OLIGORACK	63FFFF-G2TR	NONE						
TOLRACK	63FFFF-G1TR	FLR	NO	NO	NO	YES	YES	

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
HDBLR3	60D-1	78+		NO	250-						
LDBLR1	60D-1	78+		NO	250-						
LDBLR2	60D-1	78+		NO	250-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
HDBLR3	60Db-2	86-97	100-					
LDBLR1	60Db-1	84-						
LDBLR2	60Db-1	84-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
HDBLR3	60Dc-2	89-05	10-100	NONE	30-75	NG			OTHR	OTHR	NO
LDBLR1	60Dc-1	89-									
LDBLR2	60Dc-1	89-									
RUPK31	60DC-1	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO
RUPK32	60DC-1	05+	10-100	NONE	75-100	NG			OTHR	OTHR	NO

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 12)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Monitoring Type PM	Monitoring Type SO_2 Inlet	Monitoring Type SO_2 Outlet	Technology Type	43CE-Option	47C-Option
HDBLR3	60Dc-2	NONE	NONE	NONE	NONE		
RUPK31	60DC-1	NONE	NONE	NONE	NONE		
RUPK32	60DC-1	NONE	NONE	NONE	NONE		

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 13)
Federal Operating Permit Program
Table 5a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Unit Type	MRC	RACT Date Placed in Service	Functionally Identical Replacement	Fuel Type	Fuel Type	Fuel Type	Annual Heat Input
HDBLR3	R7300-1	ICIB	40-100	92-		NG	~~GS~~		28+
LDBLR1	R7300-1	ICIB	40-100	92-		NG	GS		28+
LDBLR2	R7300-1	ICIB	40-100	92-		NG	~~GS~~		28+
RUPK31	R7300-1	ICIB	40-100	FCD+		NG			28+
RUPK32	R7300-1	ICIB	40-100	FCD+		NG			28+

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 14)
Federal Operating Permit Program
Table 5b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	NO_X Emission Limitation	Opt-In Unit	23C-Option	Title 30 TAC Chapter 116 Permit Limit	EGF System Cap Unit	NO_X Emission Limit Average	NO_X Reduction	Common Stack Combined
HDBLR3	R7300-1	310D				NO		NONE	
LDBLR1	R7300-1	310D				NO		NONE	
LDBLR2	R7300-1	310D				NO		NONE	
RUPK31	R7300-1	310D				NO	BLK1-LB	POST1	
RUPK32	R7300-1	310D				NO	BLK1-LB	POST1	

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 15)
Federal Operating Permit Program
Table 5c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Fuel Type Heat Input	NO_X Monitoring System	Fuel Flow Monitoring	CO Emission Limitation	CO Monitoring System	NH_3 Emission Limitation	NH_3 Emission Monitoring
HDBLR3	R7300-1		MERT	X40A	310C	OTHER		
LDBLR1	R7300-1		MERT	X40A	310C	OTHER		
LDBLR2	R7300-1		MERT	X40A	310C	OTHER		
RUPK31	R7300-1		CEMS	X40A	310C	OTHER	310C	CEMS
RUPK32	R7300-1		CEMS	X40A	310C	OTHER	310C	CEMS

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 37)
Federal Operating Permit Program
Table 14a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
HDBLR3	63DDDDD-01	EXIST			
LDBLR1	63DDDDD-01	EXIST			
LDBLR2	63DDDDD-01	EXIST			
RUPK31	63DDDDD-01	NEW			
RUPK32	63DDDDD-01	NEW			

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 38)
Federal Operating Permit Program
Table 14b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DDDDD: Industrial, Commercial, and Institutional Boilers
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	HCl-CD	HCl-Test	HCl-FA	HCl-FloMon	HCl-pHMon
HDBLR3	63DDDDD-01					
LDBLR1	63DDDDD-01					
LDBLR2	63DDDDD-01					
RUPK31	63DDDDD-01					
RUPK32	63DDDDD-01					

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
3UFLARE62	R1111-1	NO	NO			
3UFLARE63	R1111-1	NO	NO			
HDFLARE	R1111-1	NO	NO			
LDFLARE	R1111-1	NO	NO			

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
3UFLARE62	**60A-4**	YES	YES	**AIR**	60-	
3UFLARE62	**60A-5**	YES	YES	**AIR**	60-400	1000-
3UFLARE62	**60A-6**	YES	YES	**AIR**	60-400	1000+
3UFLARE63	60A-1	YES	YES	NONE	60-	
3UFLARE63	60A-2	YES	YES	NONE	60-400	1000-
3UFLARE63	60A-3	YES	YES	NONE	60-400	1000+
HDFLARE	60A-1	YES	YES	STEAM	60-	
LDFLARE	60A-1	YES	YES	STEAM	60-	

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program
Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
3UFLARE62	**63A-4**	YES	YES	**AIR**	60-	
3UFLARE62	**63A-5**	YES	YES	**AIR**	60-400	1000-
3UFLARE62	**63A-6**	YES	YES	**AIR**	60-400	1000+
3UFLARE63	63A-1	YES	YES	NONE	60-	
3UFLARE63	63A-2	YES	YES	NONE	60-400	1000-
3UFLARE63	63A-3	YES	YES	NONE	60-400	1000+
HDFLARE	63A-1	YES	YES	STEAM	60-	
LDFLARE	63A-1	YES	YES	STEAM	60-	

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 5)
Federal Operating Permit Program
Table 5a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Out of Service	Total Gas Stream	Gas Stream Concentration	Exempt Date	Alternative Monitoring Approach	Modifications to Testing/Monitoring	Modifications to Testing/Monitoring ID No.	Flare Type
3UFLARE62	R5720-1	NO	YES	YES		OTHER	NONE		**OTHER**
3UFLARE63	R5720-2	NO	YES	YES		OTHER	NONE		**OTHER**
LDFLARE	**R5720-1**	**NO**	**YES**	**YES**		**OTHER**	**NONE**		**OTHER**
HDFLARE	**R5720-1**	**NO**	**YES**	**YES**		**OTHER**	**NONE**		**OTHER**
3UFLARE62	**R5720-5**	**NO**	**YES**	**YES**		**725M1**	**NONE**		**OTHER**
3UFLARE63	**R5720-5**	**NO**	**YES**	**YES**		**725M1**	**NONE**		**OTHER**
LDFLARE	**R5720-5**	**NO**	**YES**	**YES**		**725M1**	**NONE**		**OTHER**
HDFLARE	**R5720-5**	**NO**	**YES**	**YES**		**725M1**	**NONE**		**OTHER**

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 6)
Federal Operating Permit Program
Table 5b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Monitoring Requirements	§115.725(e) Requirements	Multi-Purpose Usage	Flow Rate	Physical Seal	Monitoring Option	§115.725(h)(4) Alternative	Tank Service
3UFLARE62	R5720-1								NO
3UFLARE63	R5720-2								NO
LDFLARE	**R5720-1**								**NO**
HDFLARE	**R5720-1**								**NO**
3UFLARE62	**R5720-5**								**NO**
3UFLARE63	**R5720-6**								**NO**
LDFLARE	**R5720-6**								**NO**
HDFLARE	**R5720-6**								**NO**

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 11)
Federal Operating Permit Program
Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Title 30 TAC § 115.352 Applicable	< 250 Components at Site	Weight Percent VOC	Reciprocating Compressors or Positive Displacement Pumps
MBPPFUGEM	R5352-ALL				

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 12)
Federal Operating Permit Program
Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Rupture Disks	Instrumentation Systems	Sampling Connection Systems	TVP ≤ 0.002 psia
MBPPFUGEM	R5352-ALL				

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 13)
Federal Operating Permit Program
Table 2c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC § 115.352				Fugitive Unit Components	
Unit ID No.	SOP Index No.	Process Drains	ACR	ACR ID No.	Complying with § 115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F
MBPPFUGEM	R5352-ALL						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 14)
Federal Operating Permit Program
Table 2d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Title 30 TAC § 115.352 Fugitive Unit Components (continued)					
		Pressure Relief Valves	ACR	ACR ID No.	Complying with §115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68° F	TVP of Process Fluid VOC > 0.044 psia at 68° F
MBPPFUGEM	R5352-ALL						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 15)
Federal Operating Permit Program
Table 2e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Title 30 TAC § 115.352 Fugitive Unit Components (continued)					
		Open-ended Valves and Lines	ACR	ACR ID No.	Complying with § 115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F
MBPPFUGEM	R5352-ALL						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 16)
Federal Operating Permit Program
Table 2f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Title 30 TAC § 115.352 Fugitive Unit Components (continued)					
		Valves (other than pressure relief and open-ended)	ACR	ACR ID No.	Complying with § 115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F
MBPPFUGEM	R5352-ALL						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 17)
Federal Operating Permit Program
Table 2g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC § 115.352 Fugitive Unit Components (continued)					
Unit ID No.	SOP Index No.	Flanges	ACR	ACR ID No.	Complying with § 115.352(1)	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F
MBPPFUGEM	R5352-ALL						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 19)
Federal Operating Permit Program
Table 2i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Title 30 TAC § 115.352 Fugitive Unit Components (continued)							
		Compressor Seals	ACR	ACR ID No.	Complying with § 115.352(1)	Hydrogen Content to Exceed 50% by Volume	Shaft Seal System	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F
MBPPFUGEM	R5352-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 20)
Federal Operating Permit Program
Table 2j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing, and Petrochemical Processes in Ozone Nonattainment Areas
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC § 115.352				Fugitive Unit Components (continued)		
Unit ID No.	SOP Index No.	Pump Seals	ACR	ACR ID No.	Complying with § 115.352(1)	Shaft Seal System	TVP of Process Fluid VOC ≤ 0.044 psia at 68°F	TVP of Process Fluid VOC > 0.044 psia at 68°F
MBPPFUGEM	R5352-ALL							

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 44)
Federal Operating Permit Program
Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/ Modification Date	VOC Service	Design Capacity	Equipment in Vacuum Service	VOC Service Less Than 300 Hours
MBPPFUGEM	60DDD-ALL							

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 45)
Federal Operating Permit Program
Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components							
		Pumps							
		Light Liquid Service	EEL	EEL ID No.	Complying with § 60.482-2	Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8
MBPPFUGEM	60DDD-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 46)
Federal Operating Permit Program
Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Flanges and Other Connectors	EEL	EEL ID No.	Complying with § 60.482-8	Compressors	EEL	EEL ID No.	Complying with § 60.482-3
MBPPFUGEM	60DDD-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 47)
Federal Operating Permit Program
Table 5d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components								
		Pressure Relief Devices								
		Gas/Vapor Service	Light Liquid or Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8	Sampling Connection Systems	EEL	EEL ID No.	Complying with § 60.482-5
MBPPFUGEM	60DDD-ALL									

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 48)
Federal Operating Permit Program
Table 5e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID. No.	SOP Index No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)								
		Valves								
		Gas/Vapor or Light Liquid Service	2.0%	EEL	EEL ID No.	Complying with § 60.482-7	Heavy Liquid Service	EEL	EEL ID No.	Complying with § 60.482-8
MBPPFUGEM	60DDD-ALL									

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 49)
Federal Operating Permit Program
Table 5f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)							
Unit ID No	SOP Index No.	Open-ended Valves or Lines	EEL	EEL ID No.	Complying with § 60.482-6	Closed-Vent (or Vapor Collection) Systems	EEL	EEL ID No.	Complying with § 60.482-10
MBPPFUGEM	60DDD-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 50)
Federal Operating Permit Program
Table 5g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 40 CFR Part 60, Subpart DDD Fugitive Unit Components (continued)									
Unit ID No.	SOP Index No.	Vapor Recovery System	EEL	EEL ID No.	Complying with § 60.482-10	Control Device ID No.	Enclosed Combustion Device	EEL	EEL ID No.	Complying with § 60.482-10	Control Device ID No.
MBPPFUGEM	60DDD-ALL	NO					NO				

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 51)
Federal Operating Permit Program
Table 5h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 40 CFR Part	60, Subpart DDD	Fugitive Unit	Components	(continued)	
Unit ID No	SOP Index No.	Flare	BEEL	BEEL ID No.	Complying with § 60.482-10	Control Device ID No.	Title 40 CFR Part 60, Subpart DDD Fugitive Unit Description
MBPPFUGEM	60DDD-ALL	YES	NO		YES	HDFLARE	SAME

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 138)
Federal Operating Permit Program
Table 16a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID. No.	SOP/GOP Index No.	Title 30 TAC § 115.780 Applicable	Less Than 250 Components at Site	Weight Percent HRVOC	Title 30 TAC Chapter 115 Fugitive Unit Components		
					Pumps with Shaft Seal System	Compressors with Shaft Seal System	Agitators with Shaft Seal System
FUGHRVOC	R5780-ALL						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 139)
Federal Operating Permit Program
Table 16b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC	Chapter 115	Fugitive Unit	Components	(continued)			
Unit ID No.	SOP/GOP Index No.	Process Drains	ACR	ACR ID No.	Complying with § 115.781(b)(9)	Pressure Relief Valves	ACR	ACR ID No.	Complying with § 115.781(b)(9)
FUGHRVOC	R5780-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 140)
Federal Operating Permit Program
Table 16c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Title 30 TAC Chapter 115 Fugitive Unit Components (continued)							
		Open-ended Valves or Lines	ACR	ACR ID No.	Complying with § 115.781(b)(9)	Bypass Line Valves	ACR	ACR ID No.	Complying with § 115.781(b)(9)
FUGHRVOC	R5780-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 141)
Federal Operating Permit Program
Table 16d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC Chapter 115 Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Valves (other than pressure relief, open-ended, and bypass line)	ACR	ACR ID No.	Complying with § 115.781(b)(9)	Flanges or Other Connectors	ACR	ACR ID No.	Complying with § 115.781(b)(9)
FUGHRVOC	R5780-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 142)
Federal Operating Permit Program
Table 16e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC Chapter 115 Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Compressor Seals	ACR	ACR ID No.	Complying with § 115.781(b)(9)	Pump Seals	ACR	ACR ID No.	Complying with § 115.781(b)(9)
FUGHRVOC	R5780-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 143)
Federal Operating Permit Program
Table 16f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

		Title 30 TAC Chapter 115 Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Agitators	ACR	ACR ID No.	Complying with § 115.781(b)(9)	Heat Exchanger Heads, Sight Glasses, Meters, Gauges, Sampling Connections, Bolted Manways, Hatches, Sump Covers, Junction Box Vents, or Covers and Seals on VOC Water Separators	ACR	ACR ID No.	Complying with § 115.781(b)(9)
FUGHRVOC	R5780-ALL								

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 144)
Federal Operating Permit Program
Table 16g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H: Fugitive Emissions (HRVOC)
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Alternative Work Practice in § 115.358	Title 30 TAC § 115.358 Fugitive Unit Description
FUGHRVOC	R5780-ALL		

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
LDCOOLTWR	63Q	NO	
RUCT01	63Q	NO	

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 3)
Federal Operating Permit Program
Table 3a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 2: Cooling Tower Heat Exchange Systems

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Cooling Tower Heat Exchange Systems Exemptions	Alternative Monitoring	Modified Monitoring	Approved Monitoring ID No.
LDCOOLTWR	R5760-1	NONE	YES	NO	10/8/2004
RUCT01	R5760-2	NONE	NO	NO	

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 4)
Federal Operating Permit Program
Table 3b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 2: Cooling Tower Heat Exchange Systems

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Jacketed Reactor	Design Capacity	Finite Volume System	Flow Monitoring/ Testing Method	Total Strippable VOC	On-Line Monitor
LDCOOLTWR	R5760-1		8000+	NO	INLET	NO	YES
RUCT01	R5760-2	NO	8000+	NO	DATA	NO	YES

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 7)
Federal Operating Permit Program
Table 6: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

Date	Permit No.:	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Monitoring
LDCOOLTWR	63FFFF-1	YES
RUCT01	63FFFF-1	YES

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
3UF61A	R1111-1	NO		OTHER	NONE	72+	100+
3UF61B	R1111-1	NO		OTHER	NONE	72+	100+
3UF61C	R1111-1	NO		OTHER	NONE	72+	100+
LDFTO	R1111-1	NO		OTHER	NONE	72+	100+

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 3)
Federal Operating Permit Program
Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
GRPFINVNT	R5121-4	NO	NO	EXLDPE		100-	612-	YES
GRPHDVNT1	R5121-1	NO	NO	HDPE		100-	408-	YES
GRPLPEVNT1	R5121-3	NO	NO	EXLDPE				YES
GRPLPEVNT2	R5121-4	NO	NO	REGVAPPL		100-	612-	YES
GRPLPEVNT3	R5121-5	NO	NO	REGVAPPL		100-	612+	YES
GRPSTORVNT	R5121-4	NO	NO	EXLDPE		100-	612-	YES
BF-4405	R5121-7	NO	NO	HDPE				
COMBVNT1	R5121-7	NO	NO	HDPE				
COMBVNT2	R5121-7	NO	NO	HDPE				
COMBVNT3	R5121-7	NO	NO	HDPE				
DM-4110A/B	R5121-7	NO	NO	HDPE				
DM-4711	R5121-7	NO	NO	HDPE				
DM-4712	R5121-7	NO	NO	HDPE				
DM-4751	R5121-7	NO	NO	HDPE				

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
DM-4752	R5121-7	NO	NO	HDPE				
DM-4753	R5121-7	NO	NO	HDPE				
DM-4754	R5121-7	NO	NO	HDPE				
DM-9999	R5121-7	NO	NO	HDPE				
HDBF4406	R5121-1	NO	NO	HDPE		100-	408-	YES
HDBF4407	R5121-1	NO	NO	HDPE		100-	408-	YES
HDBF4434	R5121-1	NO	NO	HDPE		100-	408-	YES
HDBF4463	R5121-1	NO	NO	HDPE		100-	408-	YES
HDBF4802	R5121-1	NO	NO	HDPE		100-	408-	YES
HDCYS4402	R5121-1	NO	NO	HDPE		100-	408-	YES
HDTK4402	R5121-7	NO	NO	HDPE				
HDTO4781	R5121-2	NO	NO	HDPE		100-	612+	YES
HDVNTFLARE	R5121-7	NO	NO	HDPE				
HDVVANALY	R5121-2	NO	NO	HDPE		100-	408+	YES
L1CPVBOILR	R5121-9	NO	NO	REGVAPPL		100+		
L1CPVFLARE	R5121-8	NO	NO	REGVAPPL				
L1YF01310A	R5121-3	NO	NO	EXLDPE				YES
L1YF01310B	R5121-3	NO	NO	EXLDPE				YES
L1YF01310D	R5121-3	NO	NO	EXLDPE				YES
LDFTOVNT	R5121-1	NO	NO	REGVAPPL			612+	
PEXANALYZ	R5121-4	NO	NO	EXLDPE		100-	612-	YES

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
PEXCMNHP	R5121-3	NO	NO	REGVAPPL			612+	
PEXCMNLP	R5121-1	NO	NO	REGVAPPL			612+	
PEXCMNLP	R5121-2	NO	NO	REGVAPPL			612+	
L1ANALYZER	**R5121-5**	**NO**	**NO**	**REGVAPPL**		**100-**	**612+**	**YES**

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 4)
Federal Operating Permit Program
Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
BF-4405	R5121-7	NONE		FLARE	HDFLARE
COMBVNT1	R5121-7	NONE		FLARE	HDFLARE
COMBVNT2	R5121-7	NONE		FLARE	HDFLARE
COMBVNT3	R5121-7	NONE		FLARE	HDFLARE
DM-4110A/B	R5121-7	NONE		FLARE	HDFLARE
DM-4711	R5121-7	NONE		FLARE	HDFLARE
DM-4712	R5121-7	NONE		FLARE	HDFLARE
DM-4751	R5121-7	NONE		FLARE	HDFLARE
DM-4752	R5121-7	NONE		FLARE	HDFLARE
DM-4753	R5121-7	NONE		FLARE	HDFLARE
DM-4754	R5121-7	NONE		FLARE	HDFLARE
DM-9999	R5121-7	NONE		FLARE	HDFLARE
HDTK4402	R5121-7	NONE		FLARE	HDFLARE
HDVNTFLARE	R5121-7	NONE		FLARE	HDFLARE
L1CPVBOILR	R5121-9	NONE		OTHER	LDBLR1

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
L1CPVFLARE	R5121-8	NONE		FLARE	LDFLARE
LDFTOVNT	R5121-1	NONE		DIRFLM	LDFTO
PEXCMNHP	R5121-3	NONE		FLARE	3UFLARE63
PEXCMNLP	R5121-1	NONE		DIRFLM	3UFLARE61A/B/C
PEXCMNLP	R5121-2	NONE		FLARE	3UFLARE62

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 30)
Federal Operating Permit Program
Table 12a: Title 30Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	HRVOC Concentration	Max Flow Rate	Exempt Date	Vent Gas Stream Control
GRPFINVNT	R5720-4	YES	NO	NO	
GRPHDVNT1	R5720-1	YES	NO	NO	
GRPLPEVNT1	R5720-4	YES	NO	NO	UNCON
GRPLPEVNT2	R5720-4	YES	NO	NO	UNCON
GRPLPEVNT3	R5720-4	YES	NO	NO	UNCON
GRPSTORVNT	R5720-4	YES	NO	NO	
BF-4405	R5720-2	NO	NO		FLARE
COMBVNT1	R5720-2	NO	NO		FLARE
COMBVNT2	R5720-2	NO	NO		FLARE
COMBVNT3	R5720-2	NO	NO		FLARE
DM-4110A/B	R5720-2	NO	NO		FLARE
DM-4711	R5720-2	NO	NO		FLARE

Emission Point ID No.	SOP Index No.	HRVOC Concentration	Max Flow Rate	Exempt Date	Vent Gas Stream Control
DM-4712	R5720-2	NO	NO		FLARE
DM-4751	R5720-2	NO	NO		FLARE
DM-4752	R5720-2	NO	NO		FLARE
DM-4753	R5720-2	NO	NO		FLARE
DM-4754	R5720-2	NO	NO		FLARE
DM-9999	R5720-2	NO	NO		FLARE
HDBF4463	R5720-1	YES	NO	NO	
HDBF4802	R5720-1	YES	NO	NO	
HDCYS4402	R5720-1	YES	NO	NO	
HDTK4402	R5720-2	NO	NO		FLARE
HDTO4781	R5720-1	YES	NO	NO	
HDVNTFLARE	R5720-2	NO	NO		FLARE
HDVVANALY	R5720-1	YES	NO	NO	
L1CPVBOILR	R5720-9	NO	NO		OTHCD
L1CPVFLARE	R5720-2	NO	NO	NO	FLARE
L1YF01310A	R5720-4	YES	NO	NO	UNCON
L1YF01310B	R5720-4	YES	NO	NO	UNCON
L1YF01310D	R5720-4	YES	NO	NO	UNCON
LDFTOVNT	R5720-1	NO	NO		OTHCD

Emission Point ID No.	SOP Index No.	HRVOC Concentration	Max Flow Rate	Exempt Date	Vent Gas Stream Control
LDFTOVNT	R5720-1T	NO	NO		OTHCD
PEXANALYZ	R5720-4	YES	NO	NO	
PEXCMNHP	R5720-3	NO	NO		FLARE
PEXCMNLP	R5720-1	NO	NO		OTHCD
PEXCMNLP	R5720-1T	NO	NO		OTHCD
PEXCMNLP	R5720-2	NO	NO		FLARE
L1ANALYZER	**R5720-10**	**NO**	**NO**		**UNCON**

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 31)
Federal Operating Permit Program
Table 12b: Title 30Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter H, Division 1: Highly-Reactive Volatile Organic Compounds-Vent Gas Control
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	AM	AM ID No.	Minor Modification	Minor Modification ID No.	Process Knowledge	Waived Testing	Testing Requirements
L1CPVBOILR	R5720-9	NO		NO		NO	NO	DEC31
LDFTOVNT	R5720-1	NO		NO		YES	NO	PROCESS
LDFTOVNT	R5720-1T	NO		NO		YES	YES	725A
PEXCMNHP	R5720-3	NO		NO		YES	NO	PROCESS
PEXCMNLP	R5720-1	NO		NO		YES	NO	PROCESS
PEXCMNLP	R5720-1T	NO		NO		YES	YES	725A
L1ANALYZER	**R5720-10**	**NO**		**NO**		**NO**	**NO**	**PROCESS**

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 32)
Federal Operating Permit Program
Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants:
Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	Emission Standard	Comb Device	95% Scrubber	PERF Test	Negative Pressure	Bypass Line
GRPFINVNT	63FFFF-4	GRP2					
GRPLPG2CPV	63FFFF-G2CPV	GRP2					
BF-4405	63FFFF-G1CPV	BLWFLR					
COMBVNT1	63FFFF-G1CPV	BLWFLR					
COMBVNT2	63FFFF-G1CPV	BLWFLR					
COMBVNT3	63FFFF-G1CPV	BLWFLR					
DM-4711	63FFFF-G1CPV	BLWFLR					
DM-4712	63FFFF-G1CPV	BLWFLR					
HDCYS4402	63FFFF-G1CPV	BLWFLR					
HDTK4402	63FFFF-G2CPV	GRP2					
LDFTOVNT	63FFFF-1	CDPMV					

Emission Point ID No.	SOP Index No.	Emission Standard	Comb Device	95% Scrubber	PERF Test	Negative Pressure	Bypass Line
PEXCMNLP	63FFFF-1	CDPMV					
PEXCMNLP	63FFFF-2	BLWFLR					
SC&RFVNT	63FFFF-G1CPV	BLWFLR					

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 33)
Federal Operating Permit Program
Table 13b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants:
Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	Recovery Device	Existing Source	TRE Index Threshold	Alt 63SS Mon Parameters	Alt 63SS Mon ID	SS Device Type	SS Device ID	Water
HDTK4402	63FFFF-G2CPV	NO							
GRPFINVNT	63FFFF-4	NO							
GRPLPG2CPV	63FFFF-G2CPV	NO							

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 35)
Federal Operating Permit Program
Table 13d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants:
Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	Designated GRP1	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Assessment Waiver ID	Negative Pressure	Bypass Line
BF-4405	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
COMBVNT1	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
COMBVNT2	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
COMBVNT3	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
DM-4711	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
DM-4712	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
HDCYS4402	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	
PEXCMNLP	63FFFF-2	YES	NO	NO	NO	YES		NO	NONE
SC&RFVNT	63FFFF-G1CPV	YES	NO	NO	NO	YES		YES	

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 36)
Federal Operating Permit Program
Table 13e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants:
Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	Designated GRP1	Small Device	1257A1	1257A1 Device Type	1257A1 Device ID	Alt 63SS Mon Parameters	Alt 63SS Mon ID	CEMS	SS Device Type	SS Device ID
LDFTOVNT	63FFFF-1	YES	NO				NO		NO	INCIN	LDFTO
PEXCMNLP	63FFFF-1	YES	NO				NO		NO	INCIN	3UF61A, 3UF61B, 3UF61C.

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 37)
Federal Operating Permit Program
Table 13f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants:
Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	Meets 63.988(b)(2)	Water	Designated HAL	Determined HAL
LDFTOVNT	63FFFF-1	NO		NO	NO
PEXCMNLP	63FFFF-1	NO		NO	NO

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 38)
Federal Operating Permit Program
Table 13g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants:
Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Emission Point ID No.	SOP Index No.	HAL Device Type	HAL Device ID	Prior Eval	Assessment Waiver	Assessment Waiver ID	Formaldehyde	Negative Pressure	Bypass Line
LDFTOVNT	63FFFF-1	NONE		NO	NO		NO	NO	FLOWIND
PEXCMNLP	63FFFF-1	NONE		NO	NO		NO	NO	FLOWIND

Solvent Degreasing Machine Attributes
Form OP-UA16 (Page 1) Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115) Subchapter E: Solvent Using Processes
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP/GOP Index No.	Solvent Degreasing Machine Type	Alternate Control Requirement (ACR)	Alternate Control Requirement ID No.	Solvent Sprayed	Solvent Vapor Pressure	Solvent Heated	Parts Larger Than Drainage	Drainage Area	Disposal in Enclosed Containers	Solvent/Air Interface Area	Emission Control Combinations
DEGREASER6	R5412-2	RRC-S	NO		YES	0.6-		NO	16-	YES		

Solvent Degreasing Machine Attributes
Form OP-UA16 (Page 2) Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart T: National Emission Standards for Halogenated Solvent Cleaning
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
09/25/2024	O2276	RN102501020

Unit ID No.	SOP Index No.	Solvent Type	Solvent Cleaning Machine Type	Equivalent Methods of Control	EMOC ID No.	Construction Date	Cold Cleaning Emission Control	Cold Cleaning Work Practice Alternative	Cold Cleaning Work Practice Alternative ID No.	Additional Emission Control
DEGREASE R6	R5412-2	NO								

SECTION 4
POTENTIALLY APPLICABLE REQUIREMENTS INFORMATION

This section contains information relating to applicability determinations in the FOP.

4.1 Application Area-Wide Applicability Determinations and General Information *(Form OP-REQ1)*

This section contains the updated form OP-REQ1.

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

Date:	**09/25/2024**
Permit No.:	**O2276**
RN No.:	**RN102501020**

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. *If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.* *If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.*	☒YES ☐NO
♦	3.	The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	☐YES ☒NO
♦	4.	All stationary vents are addressed on a unit specific basis.	☐YES ☒NO
♦	5.	Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	☒YES ☐NO
♦	6.	The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	☒YES ☐NO
♦	7.	The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	☒YES ☐NO
♦	8.	Emissions from units in the application area include contributions from uncombined water.	☒YES ☐NO
♦	9.	The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c).	☐YES ☒NO ☐N/A

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

Date:	**09/25/2024**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 2				
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**			
	B.	**Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots**		
	1.	Items a - d determines applicability of any of these requirements based on geographical location.		
♦		a.	The application area is located within the City of El Paso.	☐YES ☒NO
♦		b.	The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.	☐YES ☒NO
♦		c.	The application area is located in the portion of Harris County inside the loop formed by Beltway 8.	☐YES ☒NO
♦		d.	The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988.	☐YES ☒NO
		If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.		
	2.	Items a - d determine the specific applicability of these requirements.		
♦		a.	The application area is subject to 30 TAC § 111.143.	☐YES ☐NO
♦		b.	The application area is subject to 30 TAC § 111.145.	☐YES ☐NO
♦		c.	The application area is subject to 30 TAC § 111.147.	☐YES ☐NO
♦		d.	The application area is subject to 30 TAC § 111.149.	☐YES ☐NO
	C.	**Emissions Limits on Nonagricultural Processes**		
♦	1.	The application area includes a nonagricultural process subject to 30 TAC § 111.151.		☒YES ☐NO
	2.	The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements. *If the response to Question I.C.2 is "NO," go to Question I.C.4.*		☐YES ☒NO
	3.	All vents from nonagricultural process in the application area are subject to additional monitoring requirements.		☐YES ☐NO

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I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	C.	**Emissions Limits on Nonagricultural Processes (continued)**	
	4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	☐YES ☒NO
	5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.5 is "NO," go to Question I.C.7.*	☐YES ☒NO
	6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	☐YES ☒NO
	8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. *If the response to Question I.C.8 is "NO," go to Section I.D.*	☐YES ☒NO
	9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	☐YES ☐NO
	D.	**Emissions Limits on Agricultural Processes**	
	1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	☐YES ☒NO
	E.	**Outdoor Burning**	
♦	1.	Outdoor burning is conducted in the application area. *If the response to Question I.E.1 is "NO," go to Section II.*	☒YES ☐NO
♦	2.	Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	☒YES ☐NO
♦	3.	Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	☒YES ☐NO
♦	4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	☐YES ☒NO

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Form OP-REQ1: Page 4			
I.	**Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**		
	E.	**Outdoor Burning (continued)**	
♦	5.	Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	☐YES ☒NO
♦	6.	Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	☐YES ☒NO
♦	7.	The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	☐YES ☒NO
II.	**Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds**		
	A.	**Temporary Fuel Shortage Plan Requirements**	
	1.	The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	☐YES ☒NO
III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. *See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.*	☒YES ☐NO
	B.	**Storage of Volatile Organic Compounds**	
♦	1.	The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere.	☒YES ☐NO

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	C.	**Industrial Wastewater**	
	1.	The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. *If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.*	☒YES ☐NO ☐N/A
	2.	The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. *If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.*	☐YES ☒NO
	3.	The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). *If the response to Question III.C.3 is "YES," go to Section III.D.*	☐YES ☒NO
	4.	The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). *If the response to Question III.C.4 is "YES," go to Section III.D.*	☒YES ☐NO
	5.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	☐YES ☐NO
	6.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	☐YES ☐NO
	7.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	☐YES ☐NO
	D.	**Loading and Unloading of VOCs**	
♦	1.	The application area includes VOC loading operations.	☒YES ☐NO
♦	2.	The application area includes VOC transport vessel unloading operations. *For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.*	☒YES ☐NO

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	D.	**Loading and Unloading of VOCs (continued)**	
♦	3.	Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.	☐YES ☒NO
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. *If the response to Question III.E.1 is "NO," go to Section III.F.*	☒YES ☐NO
♦	2.	Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐YES ☒NO
♦	3.	All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. *If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.*	☐YES ☒NO
♦	4.	The application area is located in a covered attainment county as defined in 30 TAC § 115.10. *If the response to Question III.E.4 is "NO," go to Question III.E.9.*	☐YES ☒NO
♦	5.	Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☐YES ☐NO
♦	6.	Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☐YES ☐NO
♦	7.	At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. *If the response to Question III.E.7 is "YES," go to Section III.F.*	☐YES ☐NO

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**	
♦	8.	At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8 is "YES," go to Section III.F.*	☐YES ☐NO
♦	9.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☒NO
♦	10.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐YES ☒NO
♦	11.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☒YES ☐NO
♦	12.	At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐YES ☒NO
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**	
♦	1.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)**	
♦	2.	Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐YES ☐NO ☐N/A
♦	3.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐YES ☐NO ☐N/A
	G.	**Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**	
♦	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. *If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.*	☒YES ☐NO ☐N/A
♦	2.	The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	☒YES ☐NO
♦	3.	The application area includes facilities that began construction prior to November 15, 1992. *If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.*	☐YES ☒NO
♦	4.	The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☒YES ☐NO
♦	5.	The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted.	☒YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	H.	**Control Of Reid Vapor Pressure (RVP) of Gasoline**	
♦	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐YES ☐NO
♦	3.	The application area includes a motor vehicle fuel dispensing facility.	☐YES ☐NO
♦	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐YES ☐NO
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐YES ☒NO
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
♦	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	☐YES ☐NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	K.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.K.1 is "N/A," go to Section III.L.*	☐YES ☐NO ☒N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐YES ☐NO ☐N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐YES ☐NO
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.K.4 is "NO," go to Section III.L.*	☐YES ☐NO
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐YES ☐NO
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐YES ☐NO
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☐YES ☐NO
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels**	
♦	1.	The application area includes degassing operations for stationary, marine, and/or transport vessels. *If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.*	☒YES ☐NO ☐N/A
♦	2.	Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.L.2 is "YES," go to Section III.M.*	☐YES ☒NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
	L.	**Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)**	
♦	3.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☒YES ☐NO ☐N/A
♦	4.	Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☒YES ☐NO ☐N/A
♦	5.	Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☒NO
♦	6.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐YES ☒NO ☐N/A
♦	7.	Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure ≥ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	☐YES ☒NO ☐N/A
	M.	**Petroleum Dry Cleaning Systems**	
	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐YES ☒NO ☐N/A

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III.	**Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**		
N.	**Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)**		
1.	The application area includes one or more vent gas streams containing HRVOC.	☒YES ☐NO ☐N/A	
2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.*	☒YES ☐NO ☐N/A	
3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐YES ☒NO	
4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.*	☒YES ☐NO	
5.	The application area contains pressure relief valves that are not controlled by a flare.	☒YES ☐NO	
6.	The application area has at least one vent stream which has no potential to emit HRVOC.	☒YES ☐NO	
7.	The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☒YES ☐NO	
O.	**Cooling Tower Heat Exchange Systems (HRVOC)**		
1.	The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☒YES ☐NO ☐N/A	

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.*	☒YES ☐NO
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "YES," go to Question IV.H.1.*	☐YES ☒NO
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "YES," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.*	☐YES ☒NO
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "NO," go to Question IV.C.1.*	☐YES ☒NO
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
♦	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.*	☒YES ☐NO
♦	2.	The application area is located at a site that was a major source of NO_X before November 15, 1992.	☒YES ☐NO ☐N/A
♦	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐YES ☒NO
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐YES ☒NO ☐N/A
	E.	**Nitric Acid Manufacturing - Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐YES ☒NO ☐N/A
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
♦	1.	The application area is located at a site that is a minor source of NO_X in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). *For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.*	☐YES ☒NO
♦	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐YES ☐NO
♦	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐YES ☐NO

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐YES ☐NO
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐YES ☐NO
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "NO," go to Section IV.G.*	☐YES ☐NO
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐YES ☐NO
	8.	An ACSS for ammonia (NH_3) has been approved?	☐YES ☐NO
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO," go to Question IV.H.1.*	☐YES ☒NO
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐YES ☐NO
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "NO," go to Section V.*	☐YES ☒NO
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐YES ☐NO

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V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products

A. Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings

1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐YES ☒NO
2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.*	☐YES ☒NO
3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐YES ☐NO

B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products

1.	The application area manufactures consumer products for sale or distribution in the United States.	☐YES ☒NO
2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐YES ☒NO
3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.*	☐YES ☒NO
4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐YES ☐NO

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V.	**Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**		
	C.	**Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**	
	1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.*	☐YES ☒NO
	3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	☐YES ☐NO
	D.	**Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**	
	1.	The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	☐YES ☒NO
	2.	The application area is a distributor of aerosol coatings for resale or distribution in the United States.	☐YES ☒NO
	E.	**Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**	
	1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.E.1 is "NO," go to Section VI.*	☐YES ☒NO
	2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐YES ☐NO
VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "NO," go to Section VII.*	☒YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
	1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "NO," go to Section VI.C.*	☐YES ☒NO
	2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "NO," go to Section VI.C.*	☐YES ☐NO
	3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3 is "YES," go to Section VI.C.*	☐YES ☐NO
	4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4 is "NO," go to Section VI.C.*	☐YES ☐NO
	5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐YES ☐NO
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
♦	1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.*	☐YES ☐NO ☐N/A
♦	2.	One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. *If the response to Question VI.C.2 is "NO," go to Section VI.D.*	☐YES ☐NO
♦	3.	One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐YES ☐NO
♦	4.	The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐YES ☐NO
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "NO," go to Section VI.E.*	☐YES ☒NO ☐N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐YES ☐NO
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.*	☐YES ☒NO
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.*	☐YES ☐NO
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.*	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.*	☐YES ☐NO
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "NO," go to Section VI.G.*	☐YES ☒NO
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐YES ☐NO
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "NO," go to Section VI.H.*	☐YES ☒NO
	2.	The application area includes storm water sewer systems.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)**	
	3.	The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐YES ☐NO
	4.	The application area includes non-contact cooling water systems.	☐YES ☐NO
	5.	The application area includes individual drain systems. *If the response to Question VI.G.5 is "NO," go to Section VI.H.*	☐YES ☐NO
	6.	The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐YES ☐NO
	7.	The application area includes completely closed drain systems.	☐YES ☐NO
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004**	
♦	1.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.H.4 is "NO," go to Section VI.I.*	☐YES ☒NO

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)

H. Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)

♦	5.	The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. *If the response to Question VI.H.5 is "NO," go to Question VI.H.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐YES ☐NO

I. Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001

♦	1.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)**	
♦	3.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.I.4 is "NO," go to Section VI.J.*	☐YES ☒NO
♦	5.	The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. *If the response to Question VI.I.5 is "NO," go to VI.I.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐YES ☐NO
♦	8.	All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO

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VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)

J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006

♦	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. *If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.*	☐YES ☒NO ☐N/A
♦	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO
♦	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.J.4 is "NO," go to Section VI.K.*	☐YES ☒NO
♦	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. *If the response to Question VI.J.5 is "NO," go to Question VI.J.7.*	☐YES ☐NO
♦	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐YES ☐NO

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VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)**			
	J.	**Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)**		
♦		8.	All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
♦		9.	The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	☐YES ☐NO
♦		10.	The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES ☐NO
	K.	**Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution**		
♦		1.	The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO.	☐YES ☒NO
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants**			
	A.	**Applicability**		
♦		1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. *If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.*	☐YES ☒NO ☐N/A
	B.	**Subpart F - National Emission Standard for Vinyl Chloride**		
		1.	The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	☐YES ☒NO
	C.	**Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)**		
♦		1.	The application area includes equipment in benzene service.	☐YES ☐NO ☐N/A

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
D. Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants		
1.	The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "NO," go to Section VII.E.*	☐YES ☒NO
2.	The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐YES ☐NO
3.	The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐YES ☐NO
E. Subpart M - National Emission Standard for Asbestos		
Applicability		
1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. *If the response to Question VII.E.1 is "NO," go to Section VII.F.*	☐YES ☒NO
Roadway Construction		
2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐YES ☐NO
Manufacturing Commercial Asbestos		
3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "NO," go to Question VII.E.4.*	☐YES ☐NO
a.	Visible emissions are discharged to outside air from the manufacturing operation	☐YES ☐NO
b.	An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐YES ☐NO

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)			
E. Subpart M - National Emission Standard for Asbestos (continued)			
***Manufacturing Commercial Asbestos* (continued)**			
	c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
	f.	A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐YES ☐NO
	g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Asbestos Spray Application			
4.		The application area includes operations in which asbestos-containing materials are spray applied. *If the response to Question VII.E.4 is "NO," go to Question VII.E.5.*	☐YES ☐NO
	a.	Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. *If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.*	☐YES ☐NO
	b.	Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐YES ☐NO
	c.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO

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VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)			
E. Subpart M - National Emission Standard for Asbestos (continued)			
***Asbestos Spray Application* (continued)**			
	d.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	e.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	f.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO
	g.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐YES ☐NO
	h.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐YES ☐NO
Fabricating Commercial Asbestos			
5.		The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO," go to Question VII.E.6.*	☐YES ☐NO
	a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐YES ☐NO
	b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐YES ☐NO
	c.	Asbestos-containing waste material is processed into non-friable forms.	☐YES ☐NO
	d.	Asbestos-containing waste material is adequately wetted.	☐YES ☐NO
	e.	Alternative filtering equipment is being used that has received EPA approval.	☐YES ☐NO

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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). *If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.*	☐YES ☒NO
	3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "YES," go to Section VIII.*	☐YES ☐NO
	4.	The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). *If the response to Question VII.H.4 is "YES," go to Section VIII*	☐YES ☐NO
	5.	The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "YES," go to Section VIII.*	☐YES ☐NO

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Form OP-REQ1: Page 31			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Applicability* (continued)**	
	6.	The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☐YES ☐NO
	7.	The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☐YES ☐NO
		Waste Stream Exemptions	
	8.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐YES ☐NO
	9.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐YES ☐NO
	10.	The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐YES ☐NO
	11.	The application area transfers waste off-site for treatment by another facility.	☐YES ☐NO
	12.	The application area is complying with 40 CFR § 61.342(d).	☐YES ☐NO
	13.	The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13 is "NO," go to Question VII.H.15.*	☐YES ☐NO
	14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐YES ☐NO

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Form OP-REQ1: Page 32		
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)		
H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)		
Container Requirements		
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "NO," go to Question VII.H.18.*	☐YES ☐NO
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "YES," go to Question VII.H.18.*	☐YES ☐NO
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
Individual Drain Systems		
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "NO," go to Question VII.H.25.*	☐YES ☐NO
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "YES," go to Question VII.H.25.*	☐YES ☐NO
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "NO," go to Question VII.H.22.*	☐YES ☐NO
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO

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Form OP-REQ1: Page 33			
VII.	**Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**		
	H.	**Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**	
		***Individual Drain Systems* (continued)**	
	22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "NO," go to Question VII.H.25.*	☐YES ☐NO
	23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
	24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
		Remediation Activities	
	25.	Remediation activities take place at the application area subject to 40 CFR Part 61, Subpart FF.	☐YES ☐NO
VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories**		
	A.	**Applicability**	
♦	1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒YES ☐NO
	B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
	1.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.B.1 is "NO," go to Section VIII.D.*	☒YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)

2.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). *If the response to Question VIII.B.2 is "NO," go to Section VIII.D.*	☐YES ☒NO
3.	The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
4.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and uses as a reactant or manufactures as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐YES ☐NO
5.	The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does not use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.*	☐YES ☐NO

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Form OP-REQ1: Page 35		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater		
Applicability		
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "NO," go to Section VIII.D.*	☐YES ☐NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐YES ☐NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	☐YES ☐NO
5.	The application area includes vapor collection systems or closed-vent systems that contain bypass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.*	☐YES ☐NO
Vapor Collection and Closed Vent Systems		
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	☐YES ☐NO
7.	Bypass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐YES ☐NO

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Form OP-REQ1: Page 36		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Reloading or Cleaning of Railcars, Tank Trucks, or Barges		
8.	The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. *If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.*	☐YES ☐NO
9.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater.	☐YES ☐NO
10.	The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	☐YES ☐NO
Transfer Racks		
11.	The application area includes Group 1 transfer racks that load organic HAPs.	☐YES ☐NO
Process Wastewater Streams		
12.	The application area includes process wastewater streams. *If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
13.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.*	☐YES ☐NO
14.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐YES ☐NO
15.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
16.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐YES ☐NO
17.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.*	☐YES ☐NO
18.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐YES ☐NO
19.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐YES ☐NO
20.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐YES ☐NO
21.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐YES ☐NO
22.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐YES ☐NO
23.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
***Process Wastewater Streams* (continued)**		
24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.*	☐YES ☐NO
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.*	☐YES ☐NO
26.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
27.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.*	☐YES ☐NO
29.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
30.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)		
Drains		
31.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.*	☐YES ☐NO
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
33.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.*	☐YES ☐NO
36.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
C.	**Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)**	
	***Drains* (continued)**	
37.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
38.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
	Gas Streams	
39.	The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐YES ☐NO
40.	The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐YES ☐NO
D.	**Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**	
1.	The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐YES ☒NO

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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. *If the response to Question VIII.E.1 is "NO," go to Section VIII.F.*	☐YES ☒NO
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "NO," go to Section VIII.F.*	☐YES ☐NO
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐YES ☐NO
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "NO," go to Section VIII.G.*	☒YES ☐NO
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐YES ☒NO
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☐YES ☒NO
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.*	☐YES ☒NO
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)		
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.*	☐YES ☐NO
5.	An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. *If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
6.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.*	☐YES ☐NO
7.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.7 is "YES," go to Section VIII.H.*	☐YES ☐NO
8.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.8 is "YES," go to Section VIII.H.*	☐YES ☐NO
9.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.*	☐YES ☐NO
10.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.10 is "NO," go to Section VIII.H.*	☐YES ☐NO
11.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry

1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "NO," go to Section VIII.I.*	☐YES ☒NO
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "NO," go to Section VIII.I.*	☐YES ☐NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "NO," go to Section VIII.I.*	☐YES ☐NO
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐YES ☐NO
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐YES ☐NO
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "NO," go to Section VIII.I.*	☐YES ☐NO
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐YES ☐NO
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning

1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐YES ☒NO
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐YES ☒NO

J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins

1.	The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "NO," go to Section VIII.K.*	☐YES ☒NO
2.	Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "NO," go to Section VIII.K.*	☐YES ☐NO
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO
4.	The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
5.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.*	☐YES ☐NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.*	☐YES ☐NO
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)		
Containers		
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
Drains		
12.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "NO," go to Section VIII.K.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "NO," go to Section VIII.K.*	☐YES ☐NO

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Form OP-REQ1: Page 47		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
J.	**Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**	
	***Drains* (continued)**	
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.*	☐YES ☒NO ☐N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.*	☐YES ☒NO ☐N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐YES ☐NO
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☐YES ☒NO
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "NO," go to Section VIII.O.*	☐YES ☒NO
2.	All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "YES," go to Section VIII.O.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)		
***Applicability* (continued)**		
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "NO," go to Section VIII.O.*	☐YES ☐NO
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "NO," go to Section VIII.O.*	☐YES ☐NO
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐YES ☐NO
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "NO," go to Section VIII.O.*	☐YES ☐NO
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "NO," go to Section VIII.O.*	☐YES ☐NO
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐YES ☐NO
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐YES ☐NO
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P*	☐YES ☒NO ☐N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐YES ☐NO
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)

4.	The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	☐YES ☐NO
5.	The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality."	☐YES ☐NO
6.	The predominant activity in the application area is the treatment of wastewater received from off-site.	☐YES ☐NO
7.	The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	☐YES ☐NO
8.	The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	☐YES ☐NO
9.	The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	☐YES ☐NO
10.	The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. *If the response to Question VIII.O.10 is "YES," go to Section VIII.P.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)

11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.*	☐YES ☐NO
12.	VOHAP concentration is determined by direct measurement.	☐YES ☐NO
13.	VOHAP concentration is based on knowledge of the off-site material.	☐YES ☐NO
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.*	☐YES ☐NO
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐YES ☐NO
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐YES ☐NO
17.	The application area includes containers that manage non-exempt off-site material.	☐YES ☐NO
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
	1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.*	☐YES ☒NO ☐N/A
	2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐YES ☐NO
	Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
♦	1.	The application area contains facilities that process, upgrade or store hydrocarbon liquids that are located at oil and natural gas production facilities prior to the point of custody transfer.	☐YES ☒NO
♦	2.	The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. *For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.* *For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.*	☐YES ☒NO
♦	3.	The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. *For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.*	☐YES ☐NO
♦	4.	The application area is located at a site that is a major source of HAP. *If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)

♦	5.	The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft^3) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. *For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.* *For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.* *For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.*	☐YES ☐NO
♦	6.	The application area includes a triethylene glycol (TEG) dehydration unit. *For SOP applications, f the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.*	☐YES ☐NO
♦	7.	The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐YES ☐NO
♦	8.	The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐YES ☐NO
♦	9.	Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**		
	1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO," go to Section VIII.S.*	☐YES ☒NO
	2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐YES ☐NO
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**		
	1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.*	☐YES ☒NO ☐N/A
	2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐YES ☐NO
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**		
	1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐YES ☒NO ☐N/A
U.	**Subpart PP - National Emission Standards for Containers**		
	1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO," go to Section VIII.V.*	☐YES ☒NO
	2.	The application area includes containers using Container Level 1 controls.	☐YES ☐NO
	3.	The application area includes containers using Container Level 2 controls.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
U.	**Subpart PP - National Emission Standards for Containers (continued)**		
	4.	The application area includes containers using Container Level 3 controls.	☐YES ☐NO
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**		
	1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐YES ☒NO
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**		
	1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	☐YES ☒NO
	2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.*	☐YES ☒NO
	3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐YES ☐NO
	5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐YES ☐NO
	6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.*	☐YES ☐NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐YES ☐NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.*	☐YES ☐NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐YES ☐NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐YES ☐NO
20.	The application area includes an ethylene production process unit.	☐YES ☒NO ☐N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.*	☐YES ☒NO ☐N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.*	☐YES ☐NO
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.*	☐YES ☐NO

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Form OP-REQ1: Page 60		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐YES ☐NO
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
27.	The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.*	☐YES ☐NO
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐YES ☐NO
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)

32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐YES ☐NO
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.*	☐YES ☐NO
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.*	☐YES ☐NO
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.*	☐YES ☐NO

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Form OP-REQ1: Page 62		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.*	☐YES ☐NO
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.*	☐YES ☐NO
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.*	☐YES ☐NO
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.*	☐YES ☐NO

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Form OP-REQ1: Page 63		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)		
46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.*	☐YES ☐NO
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.*	☐YES ☐NO
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐YES ☐NO
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.*	☐YES ☐NO
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐YES ☐NO

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Form OP-REQ1: Page 64		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐YES ☐NO
54.	The application area contains a cyanide chemicals manufacturing process. *If the response to Question VIII.W.54 is "NO," go to Section VIII.X.*	☐YES ☒NO
55.	The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	☐YES ☐NO
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**	
1.	The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. *If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.*	☐YES ☒NO
2.	The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. *If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.*	☐YES ☐NO
3.	All process wastewater streams generated or managed in the application area are from sources producing polystyrene. *If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.*	☐YES ☐NO
4.	All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. *If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.*	☐YES ☐NO

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Form OP-REQ1: Page 65		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.*	☐YES ☐NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.*	☐YES ☐NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☐NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.*	☐YES ☐NO

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Form OP-REQ1: Page 66		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
	Containers	
	14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☐NO
	Drains	
	15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.*	☐YES ☐NO
	16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO
	17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
	18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. *If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.*	☐YES ☐NO

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Form OP-REQ1: Page 67		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
***Drains* (continued)**		
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐YES ☐NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐YES ☐NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)			
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐YES ☒NO
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐YES ☒NO
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☒YES ☐NO
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒YES ☐NO
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.*	☒YES ☐NO
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.*	☒YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.*	☒YES ☐NO
6.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐YES ☒NO
7.	The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☒YES ☐NO
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.*	☐YES ☒NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.*	☐YES ☒NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐YES ☐NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐YES ☒NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.*	☐YES ☒NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

13.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.*	☐YES ☐NO
14.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐YES ☐NO
15.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.*	☐YES ☐NO
16.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐YES ☐NO
17.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐YES ☐NO
18.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐YES ☒NO
19.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.*	☐YES ☒NO
20.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)

21.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐YES ☐NO
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.*	☐YES ☒NO
23.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.*	☐YES ☐NO
24.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐YES ☐NO
25.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	☐YES ☐NO
26.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.		
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐YES ☒NO
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation		
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.*	☐YES ☒NO
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.*	☐YES ☐NO
3.	All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.*	☐YES ☐NO
4.	Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.*	☐YES ☐NO
5.	The site remediation will be completed within 30 consecutive calendar days.	☐YES ☐NO
6.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.*	☐YES ☐NO
7.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐YES ☐NO
8.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.*	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)		
9.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.*	☐YES ☐NO
10.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐YES ☐NO
11.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐YES ☐NO
12.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐YES ☐NO
13.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐YES ☐NO
14.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐YES ☐NO
DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities		
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.*	☐YES ☒NO
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.*	☐YES ☐NO
3.	Metallic scrap is utilized in the EAF.	☐YES ☐NO
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities

1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "NO," go to Section VIII.FF.*	☐YES ☒NO
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐YES ☐NO
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐YES ☐NO
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.*	☐YES ☐NO
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐YES ☐NO
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.*	☐YES ☐NO
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.*	☐YES ☐NO
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐YES ☐NO
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.*	☐YES ☐NO
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐YES ☐NO

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)

EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)

	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐YES ☐NO

FF. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

♦	1.	The application area is located at a site that is an area source of hazardous air pollutants.f *If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.*	☐YES ☒NO
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.*	☐YES ☐NO
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐YES ☐NO
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐YES ☐NO

GG. Recently Promulgated 40 CFR Part 63 Subparts

♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒YES ☐NO
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. **Subparts EEEE and DDDDD**	

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**			
	A.	**Applicability**		
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☒YES	☐NO
X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**			
	A.	**Subpart A - Production and Consumption Controls**		
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐YES	☒NO ☐N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**		
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐YES	☒NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**		
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐YES	☒NO ☐N/A
	D.	**Subpart D - Federal Procurement**		
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐YES	☒NO ☐N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**		
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐YES	☒NO ☐N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐YES	☒NO ☐N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐YES	☒NO ☐N/A

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X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**			
	F.	**Subpart F - Recycling and Emissions Reduction**		
♦	1.	Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☒YES ☐NO	
♦	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☒YES ☐NO ☐N/A	
♦	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐YES ☒NO ☐N/A	
	G.	**Subpart G - Significant New Alternatives Policy Program**		
♦	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.*	☐YES ☒NO ☐N/A	
♦	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐YES ☐NO ☐N/A	
	H.	**Subpart H -Halon Emissions Reduction**		
♦	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☐YES ☒NO ☐N/A	
♦	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☐YES ☒NO ☐N/A	
XI.	**Miscellaneous**			
	A.	**Requirements Reference Tables (RRT) and Flowcharts**		
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☒YES ☐NO	

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XI.	**Miscellaneous (continued)**			
	B.	**Forms**		
♦	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. *If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.*	☒YES ☐NO ☐N/A	
♦	2.	Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below. 40 CFR 63, Subpart EEEE		
	C.	**Emission Limitation Certifications**		
♦	1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☒YES ☐NO	
	D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**		
	1.	The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	☐YES ☒NO	
	2.	The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	☐YES ☒NO	
	3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. *If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.*	☒YES ☐NO	
	4.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. *If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.*	☒YES ☐NO	

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XI.	**Miscellaneous (continued)**		
	E.	**Title IV - Acid Rain Program**	
	1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐YES ☒NO
	2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐YES ☒NO
	3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐YES ☒NO
	F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
	1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "NO," go to Question XI.F.7.*	☐YES ☒NO
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐YES ☐NO
	3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
	4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐YES ☐NO
	5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐YES ☐NO
	6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐YES ☐NO
	7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐YES ☒NO

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XI.	**Miscellaneous (continued)**		
	G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
	1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "NO," go to Question XI.G.6.*	☐YES ☒NO
	2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐YES ☐NO
	3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐YES ☐NO
	4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐YES ☐NO
	5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐YES ☐NO
	6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐YES ☒NO
	H.	**Permit Shield (SOP Applicants Only)**	
	1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒YES ☐NO

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐YES ☐NO
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐YES ☐NO
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐YES ☐NO
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐YES ☐NO
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐YES ☐NO
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "NO," go to question XI.J.3.*	☒YES ☐NO
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☒NO ☐N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐YES ☒NO ☐N/A

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XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X.	☒YES ☐NO
♦	5.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐YES ☒NO
♦	6.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☒YES ☐NO
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐YES ☒NO
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☐YES ☒NO
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.*	☒YES ☐NO
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐YES ☒NO

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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "NO," go to Section XI.M.*	☒YES ☐NO
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "NO," go to Section XI.M.*	☒YES ☐NO
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☒YES ☐NO
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.*	☐YES ☒NO
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐YES ☒NO
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐YES ☒NO
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "YES," go to Section XI.M.*	☐YES ☒NO

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XI.	**Miscellaneous (continued)**			
	L.	**Compliance Assurance Monitoring (continued)**		
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES	☒NO
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☒YES	☐NO
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐YES	☒NO
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☒YES	☐NO
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**		
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.*	☐YES	☒NO ☐N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐YES	☐NO
XII.	**New Source Review (NSR) Authorizations**			
	A.	**Waste Permits with Air Addendum**		
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.*	☐YES	☒NO

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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits**	
♦	1.	The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.*	☒YES ☐NO
♦	2.	The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	☐YES ☒NO
♦	3.	The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	☒YES ☐NO
♦	4.	The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	☐YES ☒NO
♦	5.	The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	☐YES ☒NO
♦	6.	The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐YES ☒NO
♦	7.	The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐YES ☒NO
	8.	The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	9.	The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	10.	The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐YES ☒NO

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

Date:	**09/25/2024**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

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XII. New Source Review (NSR) Authorizations (continued)			
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "NO," go to Question XII.B.15.*	☐YES ☒NO
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐YES ☐NO
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐YES ☐NO
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐YES ☒NO
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐YES ☒NO
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐YES ☒NO

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

Date:	**09/25/2024**
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RN No.:	**RN102501020**

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XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)

E. PSD Permits and PSD Major Pollutants

PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):
PSD Permit No.:	Issuance Date:	Pollutant(s):

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

F. Nonattainment (NA) Permits and NA Major Pollutants

NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):
NA Permit No.:	Issuance Date:	Pollutant(s):

If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html.

G. NSR Authorizations with FCAA § 112(g) Requirements

NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:

♦ **H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area**

Authorization No.: **19016**	Issuance Date: **06/21/2024**	Authorization No.:	Issuance Date:
Authorization No.: **103048**	Issuance Date: **11/30/2023**	Authorization No.:	Issuance Date:
Authorization No.: **123967**	Issuance Date: **06/21/2024**	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

Date:	**09/25/2024**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
♦ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**	
A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.	
PBR No.: 106.122	Version No./Date: 09/04/2000
PBR No.: 106.124	**Version No./Date: 09/04/2000**
PBR No.: 106.146	**Version No./Date: 09/04/2000**
PBR No.: 106.227	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 09/04/2000
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.320	Version No./Date: 09/04/2000
PBR No.: 106.373	Version No./Date: 09/04/2000
PBR No.: 106.412	Version No./Date: 09/04/2000
PBR No.: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.451	Version No./Date: 09/04/2000
PBR No.: 106.452	Version No./Date: 09/04/2000
PBR No.: 106.453	Version No./Date: 09/04/2000
PBR No.: 106.454	Version No./Date: 11/01/2001
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 106.511	Version No./Date: 09/04/2000

Date:	**09/25/2024**
Permit No.:	**O2276**
RN No.:	**RN102501020**

For SOP applications, answer ALL questions unless otherwise directed.
♦ *For GOP applications, answer ONLY these questions unless otherwise directed.*

PBR No.: 106.512	Version No./Date: 06/13/2001
PBR No.: 106.532	**Version No./Date: 09/04/2000**
PBR No.: 75	Version No./Date: 03/15/1985
♦ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

4.2 Permit By Rule Supplemental Table *(Form OP-PBRSUP)*

This section contains the form OP-PBRSUP.

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

Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	Registration No.	PBR No.	Registration Date
L1VV03290	53389	106.262 / 09/04/2000	11/25/2002
L1VV06143	53389	106.262 / 09/04/2000	11/25/2002
L1SF06143	53389	106.262 / 09/04/2000	11/25/2002
BR-13001	147496	106.261 / 11/01/2003	7/27/2017
BR-13002	147496	106.261 / 11/01/2003	7/27/2017
BR-23158	147496	106.261 / 11/01/2003	7/27/2017
BR-24163	147496	106.261 / 11/01/2003	7/27/2017
BR-24164	147496	106.261 / 11/01/2003	7/27/2017
ENG1	153086	106.512 / 06/13/2001	8/30/2018
ENG2	153086	106.512 / 06/13/2001	8/30/2018
STK	153086	106.146 / 09/04/2000	8/30/2018
RCC	153086	106.146 / 09/04/2000	8/30/2018
VEH	153086	106.146 / 09/04/2000	8/30/2018
MBPPFUGEM	163891	106.261 / 11/01/2003	7/26/2021
MBPPFUGEM	165992	106.261 / 11/01/2003	7/30/2021
MBPPFUGEM	165992	106.262 / 11/01/2003	7/30/2021
MBPPFUGEM	168992	106.261 / 11/01/2003	5/27/2022
MBPPFUGEM	168992	106.262 / 11/01/2003	5/27/2022
MBPPFUGEM	170124	106.262 / 11/01/2003	9/9/2022
MBPPFUGEM	172156	106.261 / 11/01/2003	3/31/2023
RUPK71	172502	106.261 / 11/01/2003	5/8/2023

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

Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	Registration No.	PBR No.	Registration Date
RUPK71	172502	106.262 / 11/01/2003	5/8/2023
MBPPFUGEM	172502	106.261 / 11/01/2003	5/8/2023
MBPPFUGEM	172502	106.262 / 11/01/2003	5/8/2023
L1ANALYZER	175548	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175548	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175556	106.261 / 11/01/2003	3/8/2024
MBPPFUGEM	175556	106.262 / 11/01/2003	3/8/2024
MBPPFUGEM	177109	106.261 / 11/01/2003	8/8/2024
MBPPFUGEM	177109	106.262 / 11/01/2003	8/8/2024

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date
RUPK71	106.263	11/01/2001
MBPPFUGEM	106.263	11/01/2001
HDFLARE	106.263	11/01/2001
4MDC02	106.124	09/04/2000
REFRIG	106.373	09/04/2000
WELDING	106.227	09/04/2000
MBPPFUGEM	106.532	09/04/2000
CHEMUNLOAD	106.472	09/04/2000
ENG02GENTK	106.472	09/04/2000
OILYWRACK	106.472	03/14/1997
TEMPTK1	106.473	09/04/2000
TEMPTK2	106.473	09/04/2000
HDTK95050	106.473	09/04/2000
HDTK6510	106.473	09/04/2000
L1TK92026	106.473	09/04/2000
DEGREASER6	106.454	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
09/25/2024	O2276	RN102501020

PBR No.	Version No./Date
106.122	09/04/2000
106.320	09/04/2000
106.412	09/04/2000
106.451	09/04/2000
75	03/15/1985

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1VV03290	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
L1VV06143	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1SF06143	106.262	53389	Specific information related to the activity including, where applicable, true vapor pressure, volatile organic compounds (VOC) content type, composition, molecular weight, activity rate, or other process data used to calculate emissions is recorded.
BR-13001	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
BR-13002	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-23158	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
BR-24163	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
BR-24164	106.261	147496	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
ENG1	106.512	153086	The operating hours and/or fuel usage of the engine are monitored and recorded.
ENG2	106.512	153086	The operating hours and/or fuel usage of the engine are monitored and recorded.

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
STK	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
RCC	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
VEH	106.146	153086	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.261	163891	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	165992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	165992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

Permit By Rule Supplemental Table (Page 4)
Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.262	168992	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.262	170124	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.261	172156	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
RUPK71	106.261	172502	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
RUPK71	106.262	172502	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	172502	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	172502	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1ANALYZER	106.261	175548	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.261	175548	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
MBPPFUGEM	106.262	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.261	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.262	175556	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 103048. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 103048 Special Condition No. 17.
MBPPFUGEM	106.261	177109	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.262	177109	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
RUPK71	106.263	11/01/2001	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
MBPPFUGEM	106.263	11/01/2001	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.
HDFLARE	106.263	11/01/2001	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date	Permit Number	Regulated Entity Number
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
4MDC02	106.124	36773	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
REFRIG	106.373	36773	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
WELDING	106.227	09/04/2000	Specific information related to the activity including, where applicable, activity rate, or other process data used to calculate emissions is recorded.
MBPPFUGEM	106.532	09/04/2000	Emissions from fugitive component leaks are minimized through the 28VHP Leak Detection and Repair program as detailed in the relevant conditions of NSR Permit No. 19016. The LDAR requirements in the permit specify the parameter monitored, the frequency of monitoring and averaging times. For more detail see NSR Permit No. 19016 Special Condition No. 18.

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TEMPTK1	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
TEMPTK2	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
HDTK95050	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
HDTK6510	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
DEGREASER6	106.454	11/1/2001	Comply with Periodic Monitoring requirements for 30 TAC Chapter 115, Degreasing Processes: Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation. Indicator: Visual Inspection Minimum Frequency: Monthly
CHEMUNLOAD	106.472	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
ENG02GENTK	106.472	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.
OILYWRACK	106.472	03/14/1997	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

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
09/25/2024	O2276	RN102501020

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
L1TK92026	106.473	09/04/2000	Where applicable, true vapor pressure, volatile organic compounds (VOC) content type, or a combination is recorded for loading or unloading events.

4.3 Applicable Requirements Summary *(Form OP-REQ3)*

This section contains the applicable requirements summary form OP-REQ3.

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation	Area Name: Mont Belvieu Plastics Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
3	GRPHDPSE	OP-UA1	63FFFF-5	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF
4	LDCOOLTWR	OP-UA1	63FFFF-CT	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF
5	RUCT01	OP-UA1	63FFFF-CT	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation	Area Name: Mont Belvieu Plastics Plant	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
6	LDFLARE	OP-UA1	63FFFF-6	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF
7	HDFLARE	OP-UA1	63FFFF-6	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF
8	3UFLARE62	OP-UA1	63FFFF-6	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF
9	3UFLARE63	OP-UA1	63FFFF-7	HAP	MACT FFFF	§ 63.2450(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart FFFF

Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program

Table 1b: Additions

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation	Area Name: Mont Belvieu Plastics Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
3	GRPHDPSE	63FFFF-5	HAP	63.2450(t) 63.2480(e)(1) 63.2480(e)(2) 63.2480(e)(3)(i) 63.2480(e)(3)(ii) 63.2480(e)(3)(iii) 63.2480(e)(6) 63.2480(e)(7) 63.2480(e)(8)	63.2525(q)	63.2520(e)(15) 63.2525(d)(4)
4	LDCOOLTWR	63FFFF-CT	HAP	63.2490(d)(1)(i) 63.2490(d)(1)(iii) 63.2490(d)(1)iv) 63.2490(d)(2) 63.2490(d)(4)	63.2525(r)	63.2520(e)(16)
5	RUCT01	63FFFF-CT	HAP	63.2490(d)(1)(i) 63.2490(d)(1)(iii) 63.2490(d)(1)iv) 63.2490(d)(2) 63.2490(d)(4)	63.2525(r)	63.2520(e)(16)

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation	Area Name: Mont Belvieu Plastics Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
6	LDFLARE	63FFFF-6	HAP	63.670(b) 63.670(c) 63.670(d) 63.670(e) 63.670(g) 63.670(h) 63.670(i) 63.670(j) 63.670(k) 63.670(l)(1) 63.670(l)(2) 63.670(l)(3) 63.670(l)(4) 63.670(l)(5) 63.670(m) 63.670(n) 63.670(o)(1) 63.670(o)(2) 63.670(o)(3) 63.670(o)(5) 63.670(o)(6) 63.670(o)(7) 63.671(a) 63.671(b) 63.671(c) 63.671(d)	63.2525(m)	63.2520(e)(11) 63.2520(d)(3)

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation	Area Name: Mont Belvieu Plastics Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
7	HDFLARE	63FFFF-6	HAP	63.670(b) 63.670(c) 63.670(d) 63.670(e) 63.670(g) 63.670(h) 63.670(i) 63.670(j) 63.670(k) 63.670(l)(1) 63.670(l)(2) 63.670(l)(3) 63.670(l)(4) 63.670(l)(5) 63.670(m) 63.670(n) 63.670(o)(1) 63.670(o)(2) 63.670(o)(3) 63.670(o)(5) 63.670(o)(6) 63.670(o)(7) 63.671(a) 63.671(b) 63.671(c) 63.671(d)	63.2525(m)	63.2520(e)(11) 63.2520(d)(3)

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation	Area Name: Mont Belvieu Plastics Plant	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
8	3UFLARE62	63FFFF-6	HAP	63.670(b) 63.670(c) 63.670(d) 63.670(e) 63.670(g) 63.670(h) 63.670(i) 63.670(j) 63.670(k) 63.670(l)(1) 63.670(l)(2) 63.670(l)(3) 63.670(l)(4) 63.670(l)(5) 63.670(m) 63.670(n) 63.670(o)(1) 63.670(o)(2) 63.670(o)(3) 63.670(o)(5) 63.670(o)(6) 63.670(o)(7) 63.671(a) 63.671(b) 63.671(c) 63.671(d)	63.2525(m)	63.2520(e)(11) 63.2520(d)(3)
9	3UFLARE63	63FFFF-7	HAP	63.2450(e)(5)(viii)(G)	-	-

SECTION 5
COMPLIANCE STATUS INFORMATION

5.1 Application Compliance Plan and Schedule *(Form OP-ACPS)*

This section contains the Form OP-ACPS which satisfies the requirements of 30 TAC §122.132(e)(4). This form contains a specific statement regarding continued compliance with current requirements, and compliance with requirements that may become effective. It also contains an indication of compliance status with respect to all applicable requirements. All emission units addressed in this application are in compliance with all their respective applicable requirements.

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

Date: 09/25/2024	Regulated Entity No.: RN102501020	Permit No.: O2276
Company Name: Exxon Mobil Corporation		Area Name: Mont Belvieu Plastics 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 *Responsible Official* commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.		
B.	**Compliance Certification - Statement for Units in Compliance* (Indicate response by entering an "X" in the appropriate column)**	
1.	With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	☒ YES ☐ NO
2.	Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	☐ YES ☒ NO
3.	If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. *(For reference only)*	
*	*For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.* *For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.* *Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.*	

SECTION 6
SUPPLEMENTAL INFORMATION

6.1 Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements

This section contains a copy of an AMEL issued by the EPA and an AMOC is by the TCEQ which satisfies OP-REQ1 Section XI D 3 & 4. A copy of the Area map is also attached.

For the reasons discussed in the preamble, the Coast Guard proposes to amend 33 CFR part 117 as follows:

PART 117—DRAWBRIDGE OPERATION REGULATIONS

1. The authority citation for part 117 continues to read as follows:

Authority: 33 U.S.C. 499; 33 CFR 1.05–1; Department of Homeland Security Delegation No. 0170.1.

2. In § 117.217, revise paragraph (b) to read as follows:

§ 117.217 Norwalk River.

* * * * *

(b) The Metro-North WALK Bridge at mile 0.1, across the Norwalk River, at Norwalk, Connecticut shall operate as follows:

(1) The draw shall open on signal between 4:30 a.m. and 9 p.m. after at least a two hour advance notice is given; except that, from 4:30 a.m. through 9:30 a.m. and from 4 p.m. through 9 p.m., Monday through Friday excluding holidays, the draw need not open for the passage of vessel traffic unless an emergency exists.

(2) From 9 p.m. through 4:30 a.m. the draw shall open on signal after at least a four hour advance notice is given.

(3) A delay in opening the draw not to exceed 10 minutes may occur when a train scheduled to cross the bridge without stopping has entered the drawbridge lock.

(4) Requests for bridge openings may be made by calling the bridge via marine radio VHF FM Channel 13 or the telephone number posted at the bridge.

Dated: August 20, 2015.

L.L. Fagan,

Rear Admiral, U.S. Coast Guard, Commander, First Coast Guard District.

[FR Doc. 2015–21531 Filed 8–28–15; 8:45 am]

BILLING CODE 9110–04–P

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Parts 60, 61 and 63

[EPA–HQ–OAR–2014–0738; FRL–9933–16–OAR]

Notice of Final Approval for the Operation of Pressure-Assisted Multi-Point Ground Flares at The Dow Chemical Company and ExxonMobil Chemical Company and Notice of Receipt of Approval Request for the Operation of a Pressure-Assisted Multi-Point Ground Flare at Occidental Chemical Corporation

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice; approval and request for comments.

SUMMARY: This notice announces our approval of the Alternative Means of Emission Limitation (AMEL) requests for the operation of multi-point ground flares (MPGF) at The Dow Chemical Company's (Dow) Propane Dehydrogenation Plant and Light Hydrocarbons Plant located at its Texas Operations site in Freeport, Texas, and the ExxonMobil Chemical Company (ExxonMobil) Olefins Plant in Baytown, Texas, and its Plastics Plant in Mont Belvieu, Texas. This approval notice also specifies the operating conditions and monitoring, recordkeeping, and reporting requirements for demonstrating compliance with the AMEL that these facilities must follow.

In addition, this notice solicits comments on an all aspects of an AMEL request from Occidental Chemical Corporation (OCC) in which long-term MPGF burner stability and destruction efficiency have been demonstrated on different pressure-assisted MPGF burners that OCC has proposed for use in controlling emissions at its Ingleside, Texas, ethylene plant.

Lastly, this notice presents and solicits comments on all aspects of a framework of both MPGF burner testing and rule-specific emissions control equivalency demonstrations that we anticipate, when followed, would afford us the ability to approve future AMEL requests for MPGF in a more efficient and streamlined manner.

DATES: The AMEL for the MPGF at Dow's Propane Dehydrogenation Plant and Light Hydrocarbons Plant located at its Texas Operations site in Freeport, Texas, and ExxonMobil's Olefins Plant in Baytown, Texas, and Plastics Plant in Mont Belvieu, Texas are approved and effective August 31, 2015.

Comments. Written comments on the AMEL request from OCC for their MPGF in Ingleside, Texas, or on the framework for streamlining future MPGF AMEL requests must be received on or before October 15, 2015.

Public Hearing. Regarding the OCC MPGF in Ingleside, Texas, or the framework for streamlining future MPGF AMEL requests, if requested by September 8, 2015, we will hold a public hearing on September 15, 2015, from 1:00 p.m. [Eastern Standard Time] to 8:00 p.m. [Eastern Standard Time] in Corpus Christi, Texas. We will provide details on the public hearing on our Web site at: *http://www.epa.gov/ttn/atw/groundflares/groundflarespg.html.* To be clear, a public hearing will not be held unless someone specifically requests that the EPA hold a public hearing regarding the OCC MPGF or the framework for streamlining future MPGF AMEL requests. Please contact Ms. Virginia Hunt of the Sector Policies and Programs Division (E143–01), Office of Air Quality Planning and Standards, Environmental Protection Agency, Research Triangle Park, NC 27711; telephone number: (919) 541–0832; email address: *hunt.virginia@epa.gov;* to request a public hearing, to register to speak at the public hearing or to inquire as to whether a public hearing will be held. The last day to pre-register in advance to speak at the public hearing will be September 14, 2015.

ADDRESSES: Submit your comments, identified by Docket ID Number EPA–HQ–OAR–2014–0738, to the Federal eRulemaking Portal: *http://www.regulations.gov.* Follow the online instructions for submitting comments. Once submitted, comments cannot be edited or withdrawn. The EPA may publish any comment received to its public docket. Do not submit electronically any information you consider to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Multimedia submissions (audio, video, etc.) must be accompanied by a written comment. The written comment is considered the official comment and should include discussion of all points you wish to make. The EPA will generally not consider comments or comment contents located outside of the primary submission (*i.e.,* on the web, cloud, or other file sharing system). For additional submission methods, the full EPA public comment policy, information about CBI or multimedia submissions, and general guidance on making effective comments, please visit *http://www2.epa.gov/dockets/commenting-epa-dockets.*

Instructions. Direct your comments on the OCC MPGF or the framework for streamlining future MPGF AMEL requests to Docket ID Number EPA–HQ–OAR–2014–0738. The EPA's policy is that all comments received will be included in the public docket without change and may be made available online at *http://www.regulations.gov,* including any personal information provided, unless the comment includes information claimed to be confidential business information (CBI) or other information whose disclosure is restricted by statute. Do not submit information that you consider to be CBI or otherwise protected through *http://www.regulations.gov* or email. Send or deliver information identified as CBI only to the following address: OAQPS Document Control Officer (C404–02),

Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina 27711, Attention: Docket ID Number EPA–HQ–OAR–2014–0738. Clearly mark the part or all of the information that you claim to be CBI. For CBI information on a disk or CD–ROM that you mail to the EPA, mark the outside of the disk or CD–ROM as CBI and then identify electronically within the disk or CD–ROM the specific information that is claimed as CBI. In addition to one complete version of the comment that includes information claimed as CBI, a copy of the comment that does not contain the information claimed as CBI must be submitted for inclusion in the public docket. Information so marked will not be disclosed except in accordance with procedures set forth in 40 CFR part 2. The *http://www.regulations.gov* Web site is an ''anonymous access'' system, which means the EPA will not know your identity or contact information unless you provide it in the body of your comment. If you send an email comment directly to the EPA without going through *http://www.regulations.gov,* your email address will be automatically captured and included as part of the comment that is placed in the public docket and made available on the Internet. If you submit an electronic comment, the EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD–ROM you submit. If the EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, the EPA may not be able to consider your comment. Electronic files should not include special characters or any form of encryption and be free of any defects or viruses. For additional information about the EPA's public docket, visit the EPA Docket Center homepage at: *http://www.epa.gov/dockets.*

Docket. The EPA has established a docket for this action under Docket ID Number EPA–HQ–OAR–2014–0738. All documents in the docket are listed in the regulations.gov index. Although listed in the index, some information is not publicly available, *e.g.,* CBI or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material, is not placed on the Internet and will be publicly available only in hard copy. Publicly available docket materials are available either electronically in regulations.gov or in hard copy at the EPA Docket Center (EPA/DC), EPA WJC West Building, Room 3334, 1301 Constitution Ave. NW., Washington, DC. The Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566–1744, and the telephone number for the EPA Docket Center is (202) 566–1742.

FOR FURTHER INFORMATION CONTACT: For questions about this action, contact Mr. Andrew Bouchard, Sector Policies and Programs Division (E143–01), Office of Air Quality Planning and Standards (OAQPS), U.S. Environmental Protection Agency, Research Triangle Park, North Carolina 27711; telephone number: (919) 541–4036; fax number: (919) 541–0246; and email address: *bouchard.andrew@epa.gov.*

SUPPLEMENTARY INFORMATION:

Acronyms and Abbreviations

We use multiple acronyms and terms in this notice. While this list may not be exhaustive, to ease the reading of this notice and for reference purposes, the EPA defines the following terms and acronyms here:

AMEL alternative means of emission limitation
Btu/scf British thermal units per standard cubic feet
CAA Clean Air Act
CFR Code of Federal Regulations
CPMS continuous parameter monitoring system
EPA Environmental Protection Agency
ESL effects screening level
FR **Federal Register**
HAP hazardous air pollutants
LEL lower explosive limit
LFL lower flammability limit
LFL_{cz} combustion zone lower flammability limit
MPGF multi-point ground flare
NESHAP national emission standards for hazardous air pollutants
NHV net heating value
NHV_{cz} combustion zone net heating value
NSPS new source performance standards
OAQPS Office of Air Quality Planning and Standards
OCC Occidental Chemical Corporation
OSHA Occupational Safety and Health Administration
PDH propane dehydrogenation unit
PFTIR passive Fourier transform infrared spectroscopy
psig pounds per square inch gauge
QA quality assurance
QC quality control
TAC Texas Administrative Code
TCEQ Texas Commission on Environmental Quality
VOC volatile organic compounds

Organization of This Document. The information in this notice is organized as follows:

I. Background

A. Summary

On February 13, 2015, the EPA published an initial notice in the **Federal Register** (FR) acknowledging receipt of AMEL approval requests for the operation of several MPGF at The Dow Chemical Company's Dow Propane Dehydrogenation Plant and Light Hydrocarbons Plant located at its Texas Operations site located in Freeport, Texas, and ExxonMobil's Olefins Plant in Baytown, Texas, and its Plastics Plant in Mont Belvieu, Texas (see 80 FR 8023, February 13, 2015). This initial notice also solicited comment on all aspects of the AMEL requests and the resulting alternative operating conditions that are necessary to achieve a reduction in emissions of volatile organic compounds (VOC) and organic hazardous air pollutants (HAP) at least equivalent to the reduction in emissions required by various standards in 40 CFR parts 60, 61 and 63 that apply to emission sources that would be controlled by these pressure-assisted MPGF. These standards point to the operating requirements for flares in the General Provisions to parts 60 and 63, respectively, to comply with the emission reduction requirements. Because pressure-assisted MPGF cannot meet the velocity requirements in the General Provisions, Dow and ExxonMobil requested an AMEL. This action provides a summary of comments received as part of the public review process, our responses to those comments, and our approval of the requests received from Dow and ExxonMobil for an AMEL for the MPGF at the specific plants listed above, along with the operating conditions they must follow for demonstrating compliance with the AMEL.

This action also solicits comments on all aspects of an AMEL request from OCC in which MPGF burner stability

and destruction efficiency have been demonstrated on different pressure-assisted MPGF burners that OCC has proposed for use in controlling emissions at its Ingleside, Texas, ethylene plant.

Lastly, because we are aware that facilities plan to build or are considering use of MPGF as an emissions control technology, this action presents and solicits comments on all aspects of a framework for streamlining future MPGF AMEL requests that we anticipate, when followed, would afford the agency the ability to review and approve future AMEL requests for MPGF in a more efficient and expeditious manner. We note here though that all aspects of future AMEL requests would still be subject to a notice and comment proceeding.

B. Flare Operating Requirements

In their requests, Dow and ExxonMobil cited various regulatory requirements in 40 CFR parts 60, 61 and 63 that will apply to the different flare vent gas streams that will be collected and routed to their pressure-assisted MPGF at each plant. These requirements were tabulated in the initial notice for this action (80 FR 8023, February 13, 2015). The applicable rules require that control devices achieve destruction efficiencies of either 95 percent or 98 percent either directly, or by reference, or allow control by flares meeting the flare operating requirements in 40 CFR 60.18 or 40 CFR 63.11. The flare operating requirements in 40 CFR 60.18 and 40 CFR 63.11 specify that flares shall be: (1) Steam-assisted, air-assisted or non-assisted;[1] (2) operated at all times when emissions may be vented to them; (3) designed for and operated with no visible emissions (except for periods not to exceed a total of 5 minutes during any 2 consecutive hours); and (4) operated with the presence of a pilot flame at all times. The flare operating requirements in 40 CFR 60.18 and 40 CFR 63.11 also specify requirements for both the minimum heat content of gas combusted in the flare and the maximum exit velocity at the flare tip.[2] These provisions specify maximum flare tip velocities based on flare type (non-assisted, steam-assisted or air-assisted) and the net heating value of the flare vent gas (see 40 CFR 60.18(c)(3) and 40 CFR 63.11(b)(6)). These maximum flare tip velocities are required to ensure that the flame does not ''lift off'' or separate from the flare tip, which could cause flame instability and/or potentially result in a portion of the flare gas being released without proper combustion. Proper combustion for flares is considered to be 98 percent destruction efficiency or greater for organic HAP and VOC, as discussed in our recent proposal titled ''Petroleum Refinery Sector Risk and Technology Review and New Source Performance Standards,'' 79 FR 36880, 36904–36912 (June 30, 2014).

The MPGF proposed by both Dow and ExxonMobil are different in both flare head design and operation than the more traditional steam-assisted, air-assisted and non-assisted flare types currently able to comply with the flare operating requirements in 40 CFR 60.18 or 63.11. The MPGF technology operates by using the pressure upstream of each individual flare tip burner to enhance mixing with air at the flare tip due to high exit velocity, which in turn allows the MPGF to operate in a smokeless capacity. The MPGF are constructed differently than normal elevated flares in that they consist of many rows of individual flare tips which are approximately eight feet above ground level. The ground flare staging system opens and closes staging valves according to gas pressure such that stages containing multiple burners are activated as the flow and pressure increase or decrease in the header. While information supplied by Dow, and relied on by both Dow and ExxonMobil, indicates that the flare tips operate in a smokeless capacity and achieve high destruction efficiencies, the MPGF cannot meet the exit velocity requirements in 40 CFR 60.18 and 40 CFR 63.11, which limit the exit velocity at the flare tip to a maximum of 400 feet per second. The exit velocities from MPGF typically range from 600 feet per second up to sonic velocity (which ranges from 700 to 1,400 feet per second for common hydrocarbon gases), or Mach = 1 conditions. As a result, Dow and ExxonMobil are seeking an alternative means of complying with the flare operating requirements in 40 CFR 60.18 and 63.11; specifically, the exit velocity requirements in 40 CFR 60.18(c)(3), (c)(4) and (c)(5) and in 40 CFR 63.11(b)(6), (b)(7) and (b)(8).

C. Alternative Means of Emission Limitation

As noted above, the specific rules in 40 CFR parts 60, 61 and 63, or the General Provisions for parts 60, 61 and 63 of the Clean Air Act (CAA)[3] allow a facility to request an AMEL. These provisions allow the Administrator to permit the use of an alternative means of complying with an applicable standard, if the requestor demonstrates that the alternative achieves at least an equivalent reduction in emissions. The EPA provided notice of the requests and an opportunity for both a public hearing and opportunity for comment on the requests in the FR (see 80 FR 8023, February 13, 2015). After considering the comments received during the public comment period, the EPA is approving the AMEL requests and the use of the MPGF at Dow's two plants at its Texas Operations site in Freeport, Texas, and at ExxonMobil's two plants in Mont Belvieu, Texas, and Baytown, Texas.

II. Summary of Significant Public Comments on the AMEL Requests for Pressure-Assisted MPGF

This section contains a summary of the major comments and responses, and rationale for the approved MPGF operating conditions and monitoring, recordkeeping and reporting requirements necessary to ensure the MPGF will achieve a reduction in emissions of HAP and VOC at least equivalent to the reduction in emissions of other traditional flare systems complying with the requirements in 40 CFR 60.18(b) and 40 CFR 63.11(b).

A. Regulatory Compliance Language and Calculation Methodology

Comment: Several commenters suggested that the EPA clarify the relationship between the AMEL and the requirements at 40 CFR 63.11 and 40 CFR 60.18. Specifically, the commenters suggested that the EPA add the following or similar language: ''Compliance with applicable portions of 40 CFR 60.18 and 40 CFR 63.11, together with the AMEL, satisfy the new source performance standards (NSPS) and/or national emission standards for hazardous air pollutants (NESHAP) requirements that refer to 40 CFR 60.18 and 40 CFR 63.11.'' The commenters further state that adoption of this language would allow deletion of requirements #2 and #3 related to pilot

[1] While Dow and ExxonMobil describe their flares as ''pressure-assisted,'' these flares qualify as ''non-assisted'' flares under 40 CFR 60.18(b) or 63.11(b) because they do not employ assist gas.

[2] These requirements are not all inclusive. There are other requirements in 40 CFR 60.18 and 63.11 relating to monitoring and testing that are not described here.

[3] CAA section 111(h)(3) states: ''If after notice and opportunity for public hearing, any person establishes to the satisfaction of the Administrator that an alternative means of emission limitation will achieve a reduction in emissions of any air pollutant at least equivalent to the reduction in emissions of such air pollutant achieved under the requirements of paragraph (1), the Administrator shall permit the use of such alternative by the source for purposes of compliance with this section with respect to such pollutant.'' Section 112(h)(3) contains almost identical language.

flames, visible flames, and visible emissions standards in the initial AMEL notice.

Response: First, we clarify here for both of Dow's plants and both of ExxonMobil's plants that will use MPGF as a control device that compliance with the requirements in Section III of this AMEL notice satisfies the flare NSPS and NESHAP requirements referenced in 40 CFR 60.18 and 40 CFR 63.11. However, we disagree with commenters that deletion of the language related to pilot flames and visible flames is appropriate given the unique design of MPGF installations and their various rows of hundreds of burners. The language currently in 40 CFR 60.18 and 40 CFR 63.11 was intended to ensure that more traditional, individual flare tips had a flame present at all times by requiring that a pilot flame is always present. While having at least a single pilot flame is appropriate for a single flare tip, it in no way assures that each of the hundreds of flare tips that are arranged in multiple stages in a MPGF installation will ignite and have a flare flame when vent gas is sent to the system. Thus, we are not requiring Dow and ExxonMobil to comply with these requirements precisely as outlined currently in the General Provisions and are instead finalizing, based on information provided by these companies with respect to staging design and number of pilots per stage, a requirement in the AMEL that each stage of burners in the MPGF installation have at least two pilots with a continuously lit pilot flame. This requirement will provide the agency with a high level of assurance that a flare flame is present at all times when the other applicable requirements are also being met.

Commenters also suggested that the language in the initial AMEL notice related to pilot flame presence at Section III, #2 (see 80 FR 8030, February 13, 2015) had slightly different wording elements compared to the flare General Provisions requirements. We agree with the commenters that some of the language is different, but note that requiring at least two pilot flames on each stage of burners to be continuously lit and monitored as opposed to only a single pilot flame as prescribed in the General Provisions is a necessary change. However, we have incorporated language in this final action to be more consistent with the requirements in the General Provisions to allow pilot flames to be monitored by thermocouples ''or any other equivalent device used to detect the presence of a flame.''

Lastly, we agree with the commenters that the language in the initial AMEL notice related to visible emissions at Section III, #3 is somewhat redundant with the requirements in the General Provisions, but given that we are requiring facilities to use a video camera to conduct visible emissions observations we must address the visible emissions requirements specifically.

Comment: Several commenters recommended that the EPA include in the final AMEL notice the equations and references to physical data needed to calculate NHV_{cz} and LFL_{cz}.

Response: We agree with the commenters and are incorporating these changes in this final action.

B. NHV_{cz} and LFL_{cz} Operating Limits and Averaging Time

Comment: Several commenters suggested that the EPA should not set a precedent for potential future flare standards with respect to a 15-minute averaging period for the combustion parameters (*i.e.,* NHV_{cz} and LFL_{cz}) or on-line monitoring technology. Commenters also suggested that the operating requirements of NHV_{cz} of 800 British thermal units per standard cubic foot (Btu/scf) or greater or LFL_{cz} of 6.5 percent by volume or less are based on the single worst-case data point, that this is not consistent with the Marathon Petroleum test report data, and that establishing a limit based on the single worst test run could set bad precedent for future potential flare and/or AMEL standards.

Response: First, we note that flares by their very nature are designed to handle and combust highly variable waste gas flows and compositions. Given that both Dow and ExxonMobil have requested use of MPGF for applications in controlling emissions related to periods of upset, maintenance, startup and shutdown, the question for the Agency becomes how do these facilities demonstrate to the satisfaction of the Administrator that this AMEL will achieve a reduction in emissions of VOC and HAP at least equivalent to the reduction in emissions required by the various standards in 40 CFR parts 60, 61 and 63 for highly variable flow and vent gas composition control scenarios.

An assessment of the data we used to evaluate these AMEL requests suggests that at least an equivalent reduction in emissions control for MPGF has been demonstrated and can be maintained provided there is a stable, lit flame. In reviewing the supporting data, long-term stability was demonstrated by 20-minute test runs with fairly consistent flow and composition; however, there were also five test runs which showed instability in as little as 1 to 2 minutes. Considering that Dow and ExxonMobil will be producing and using olefins in their process, the Dow test is more appropriate and representative of the types of waste gas compositions and flows their MPGF will expect to handle compared to the natural gas and nitrogen mixtures burned in the Marathon test. Thus, the operating requirements of an NHV_{cz} of 800 Btu/scf or greater or LFL_{cz} of 6.5 percent by volume or less which come from the Dow test, while conservative, provides reasonable assurance that these particular sources will maintain a stable flame for consistent flows and waste gas compositions expected to be burned by these particular sources as opposed to a refiner like Marathon whose waste gas originates from a different source category.

Finally, the available data we are using to assess what the appropriate averaging time should be for these unique MPGF installations indicate that there could exist a gap between the MPGF system response (*e.g.*, the sampling of the waste gas stream and the introduction of supplemental fuel to counteract a low heat content waste gas stream) and flame stability for situations of highly variable flow and/or highly variable waste gas composition. In light of this, we considered reasonable options that provide assurance that these MPGF installations will control emissions at a high level of efficiency with a stable, lit flame during these particular events. In evaluating these options, we concluded that a short averaging time is necessary to ensure that the MPGF installations will work as intended. Given the fact that we are allowing use of on-line gas chromatographs to perform compositional analysis to determine compliance with the NHV_{cz} and LFL_{cz} operating parameters, we cannot require shorter averaging times than the monitoring technology will allow, which is 15 minutes, and which we are finalizing in this action. In addition, we are also finalizing an alternative to allow the use of a calorimeter to monitor directly for NHV_{cz}, which Dow or ExxonMobil may choose to use if they have similar concerns about variable flow/waste gas composition impacting flame stability, as these types of monitoring systems have significantly faster response times (*e.g.*, 1 minute) than those of gas chromatographs. Lastly, we acknowledge the concerns presented with respect to setting precedent for potential future flare standards on averaging time and online monitoring technology. However, we note that this comment is beyond the

scope of this action and not relevant to the site-specific action of the AMEL requests for the use of MPGF at these specific Dow or ExxonMobil facilities.

C. Monitoring Systems

Comment: A number of commenters suggested that pressure and flow monitors on each stage of the MPGF are unnecessary, as the MPGF are not designed with pressure and flow monitors on each individual stage, but, rather, rely on the monitoring system on the main flare header that is used by the process control system to open and close various stages of the flare system. Commenters instead suggested that flow and pressure should be monitored on the main flare header, as well as valve position indicators showing whether the valves are open or closed for each staging valve. Another commenter agreed that flare header pressure was important, but questioned why the initial AMEL notice did not require a minimum flare header pressure set at 15 pounds per square inch gauge (psig), since EPA stated that MPGF typically required 15 psig at the main flare header to properly operate. The commenter also suggested that the AMEL require monitoring of pressure at each stage and also set minimum flare header pressure requirements.

Response: We agree that monitoring of flow and pressure on each individual stage is not needed as long as the flare header pressure and flow are adequately monitored. Given that the header pressure will be the maximum pressure at any point in the MPGF, the pressure of each stage will be at or lower than the main flare header pressure. As the commenters noted, the process control logic system opens and closes the staging valves based on the MPGF header pressure. Therefore, flare header pressure and information on which stages are open or closed will provide enough information to determine whether the MPGF is operating as designed. For example, if the pressure is low in the main flare header and below the minimum operating pressure of the burners in stage 2, the valve position indicator for stage 2 as well any valve position indicators for stages after stage 2 should show that those stages are all closed. Both AMEL requests referenced the range of operating pressures of the burners/stages, and, therefore, this final AMEL requires that the MPGF burners be operated within the range of tested conditions or within the range of the manufacturer's specifications, as demonstrated using header pressure and valve position indicators. We note that, while we discussed a typical flare header operating pressure in the technical memorandum supporting the initial AMEL notice and discussions (see memorandum ''Review of Available Test Data on Multipoint Ground Flares'' at Docket ID Number EPA–HQ–OAR–2014–0738–0002), we are providing the sites with a specific range of operating pressures to comply, as presented in their AMEL requests and supporting test data.

Comment: One commenter suggested that the EPA should require each facility to install real-time fenceline monitoring to protect and inform communities if there is an increase in HAP crossing the fenceline during flaring events. The commenter stated that the proposed AMEL would allow operators to shift emissions from elevated flares to ground level, thus increasing ground-level pollution because emissions released at ground level, as compared to an elevated stack, do not disperse as far and remain in higher concentrations around the emitting source. The commenter stated that, as a result, the AMEL would increase exposure and risk and likely disproportionately impact minority and low income populations. Another commenter stated that based on dispersion modeling calculations conducted for the propane dehydrogenation unit (PDH) plant flare system, they project that the off-site concentrations of any air contaminant will be <1 percent of the TCEQ's effects screening level (ESL) for both the short-term one hour average concentrations and the annual averages.[4] The commenter stated that these projected off-site impacts are similar to what is expected from an elevated flare. Given the low off-site concentrations predicted, it is the commenter's opinion that additional ambient air monitoring is not warranted for this AMEL request. Other commenters suggested that flow and composition monitoring, in concert with monitoring for flame presence, would provide substantially more valuable information for evaluating the downwind effect of a flameout as compared to ambient monitoring. Another commenter suggested lower explosive limit (LEL) monitors around a ground flare could provide an indication of a malfunction or slow, unburned leaks from staging valves that the direct waste gases and flare monitors might miss.

Response: Comments on additional monitoring of the ambient concentrations of pollutants in the atmosphere surrounding the ground flare address a range of concerns. Some comments relate to the efficiency of the flare and the emission potential of the flare when the ground flare is working as expected, and other comments relate to when the ground flare experiences flameout or some other event where uncombusted materials have the potential to be emitted. We agree that the combination of pilot flame monitoring in concert with flow and composition monitoring (and pressure/staging valve monitoring) or use of LEL monitors in the immediate area of the ground flare are several methods the operator can use to identify an improperly-operating flare. However, if the suite of operating conditions being finalized in Section III below are met, we feel that the MPGF should operate properly and with a high level of destruction efficiency. Although we understand that the MPGF are equipped with safety interlocks and in some cases LEL monitors, we are not requiring they operate these systems under our final AMEL requirements for Dow and ExxonMobil. Rather, additional safety analyses should be addressed under the Occupational Safety and Health Administration's (OSHA) Process Safety Management[5] and the EPA's Risk Management Program.[6] Regarding comments pertaining to the need for some type of monitoring for communities that may be impacted by these MPGF installations, we are not mandating any type of fenceline or community monitoring in the AMEL approval because the approval is on the basis that the facilities have adequately demonstrated that the MPGF are capable of achieving or exceeding the emissions reductions mandated by the underlying NSPS and/or NESHAP. However, through a separate effort, we are helping to facilitate discussions between the communities near these Dow and ExxonMobil facilities and the companies involved to explore possible monitoring that will address specific concerns of the communities (see ''Community Open Forum Discussions'' at Docket ID Number EPA–HQ–OAR–2014–0738).

Comment: A few commenters suggested that our provisions should allow for at least a 5 percent downtime limit for continuous monitoring data outside of maintenance periods, instrument adjustments and calibration checks, similar to the requirements in Texas VOC Sampling Rule protocol found at 30 TAC 115.725(d)(3).

[4] See ''Multi-Point Ground Level Flare Modeling Discussion'' at Docket ID Number EPA–HQ–OAR–2014–0738 for further information on modeling results.

[5] See *https://www.osha.gov/SLTC/processsafetymanagement/* for more details.

[6] See *http://www2.epa.gov/rmp* for more details.

Response: First, we note that the Texas VOC sampling protocol only excludes time for ''normal calibration checks'' and does not exclude time for ''maintenance periods'' or ''instrument adjustments.'' Our initial AMEL notice required operation of the continuous parameter monitoring system (CPMS) at all times except during ''maintenance periods, instrument adjustments or checks to maintain precision and accuracy, calibration checks, and zero and span adjustments.'' Except for the time periods we excluded, we consider that the monitor should be continuously operated. However, we agree with the commenters that it is reasonable to set an upper limit on the time period for maintenance periods and instrument adjustments, so we are adding an additional sentence to the AMEL provisions as follows: ''Additionally, maintenance periods, instrument adjustments or checks to maintain precision and accuracy, and zero and span adjustments may not exceed 5 percent of the time the flare is receiving regulated material.''

Comment: One commenter noted that, because operating personnel cannot enter the fenced area while the MPGF is operating, visual observation in accordance with the monitoring requirements of the General Provisions is impractical and cannot assure compliance. The commenter also stated that visible emissions from ground flares are a known problem and that community members in Port Arthur have submitted several complaints about smoke releases from the ground flare at the BASF Olefins Plant. Therefore, the commenter stated that it is imperative for the EPA to assure that the AMEL requires video monitoring that is adequate to assure compliance. Also, the EPA must require each facility to submit the video monitoring data to the appropriate authorities as part of any periodic compliance reports required by the CAA.

Response: We agree that the MPGF systems should be operated with no visible emissions and we included a requirement in the initial AMEL notice to use video surveillance cameras to demonstrate compliance with this requirement. We did not, however, in the initial AMEL notice indicate how else the operators would demonstrate compliance with the visible emissions limit. We agree that because operating personnel cannot enter the fenced area while the MPGF is operating, it is difficult to understand how any daily EPA Method 22 visible emissions monitoring for only 5 minutes during the day when operators could enter (when the flare was not operating) would be an effective method of ensuring compliance with this requirement. Therefore, we are requiring that the MPGF operators employ the use of a surveillance camera for visible emissions monitoring and record and maintain footage of this video for all periods when the MPGF is ''operating,'' meaning burning gas other than pilots. While we are only requiring the video surveillance footage to be maintained as a record, we are requiring that Dow and ExxonMobil report in their periodic compliance reports any deviations of the visible emissions standard.

D. AMEL Mechanism and Process

Comment: One commenter suggested that a successful demonstration of equivalent emissions control was provided for the proposed MPGF burners to be used at both ExxonMobil's Mont Belvieu Plastics Plant and Baytown Olefins Plant. In support of this suggestion, the commenter suggests that the two test reports submitted during the comment period, combined with the ExxonMobil AMEL application, provide the technical support and justification to demonstrate such equivalency for both of ExxonMobil's plants.

Response: We agree with the commenter that the information submitted by ExxonMobil successfully demonstrates an equivalent level of emissions control for the MPGF burners that will be used at ExxonMobil's Mont Belvieu Plastics Plant and Baytown Olefins Plant, provided that the requirements specified in Section III below are met. Therefore, we are approving ExxonMobil's AMEL request to use a MPGF at both of its plants.

Comment: Several commenters generally supported the AMEL process as an appropriate mechanism to authorize use of MPGF as an equivalent emissions control technology and also provided recommendations for using the AMEL process for future projects or updates. These recommendations included providing flexibility to facilities to accommodate burner equivalency, providing facilities with a simple mechanism that allows information or alternate combustion parameters to be updated without requiring re-approval where additional data are provided and providing facilities who elect to apply for an AMEL a process for providing the EPA with information that demonstrates a MPGF burner is stable over the expected design range in lieu of requiring additional emissions (*i.e.,* combustion/destruction efficiency) testing.

Response: In light of the comments received on providing flexibility for use of other, future MPGF burner designs and emissions testing, we are providing in this notice a framework for sources to consider and use to streamline potential future approvals of AMEL requests for MPGF installations. We note that facilities requesting any such alternative limit will still have to go through a public notice and comment review process.

Comment: A few commenters provided additional test information for pressure-assisted flares for the EPA to consider as having equivalent performance to the other burner types addressed in the AMEL. Additionally, these commenters also suggested that flare manufacturers, instead of owners or operators of a particular source, be allowed to test and pre-certify a particular pressure-assisted flare type.

Response: First, while we appreciate the additional pressure-assisted flare test data submitted by commenters, there is significant detail lacking in the submittals to fully evaluate the equivalency of these particular flares at this time, and, given that some of the data submitted are for a flare tip not being proposed for use by Dow or ExxonMobil, we find that information to be outside the scope of the AMEL. With respect to allowing flare manufacturers, instead of owners or operators of sources that would possibly use a MPGF to control emissions, to test and pre-certify a particular type of pressure-assisted flare, the CAA sections 111(h)(3) and 112(h)(3) limit AMEL requests to ''the owner or operator of any source.'' Thus, we cannot allow this particular request. We are, however, as part of this action seeking comment on a proposed framework for streamlining approval of future AMEL requests for MPGF installations which flare manufacturers, working in concert with the owner or operator of a source who wishes to use a pressure-assisted MPGF type installation, will be able to follow and provide to the agency the necessary input, testing and performance demonstration information.

E. Other

Comment: One commenter stated that the AMEL request is based on inadequate data to assure 98 percent destruction efficiency and stated that the EPA must require facilities that seek permission to comply with the AMEL in lieu of the General Provisions to perform long-term passive Fourier transform infrared spectroscopy (PFTIR) testing to determine the operating limits necessary to assure an equivalent level of control. The commenter further indicated that studies have consistently shown that the mixture and specific

chemical composition of the gas discharged to a flare impact combustion efficiency and that the EPA did not verify or investigate whether the facilities seeking approval to operate under an AMEL will discharge gas to the proposed MPGF that is similar in chemical composition to the gas used in the tests used to develop the AMEL. Further, commenters' review of available data suggests that the facilities seeking approval to operate under an AMEL will discharge gas that exhibit hydrogen-olefin interactions.

Response: As we stated in the initial AMEL notice, one general conclusion made from the EPA's 1985 study is that stable flare flames and high (>98–99 percent) combustion and destruction efficiencies are attained when flares are operated within operating envelopes specific to each flare burner and gas mixture tested, and that operation beyond the edge of the operating envelope can result in rapid flame de-stabilization and a decrease in combustion and destruction efficiencies. The data where flameout of the burners occurred from test runs in both the Marathon 2012 test report and the Dow 2013 test report showed that the flare operating envelope was different for the different gas mixtures tested. Additionally, the data indicate that combustion degradation beyond the edge of the operating envelope for pressure-assisted MPGF burners is so rapid that when a flame is present, the flare will still achieve a high level of combustion efficiency right up until the point of flameout. The results of the available PFTIR testing demonstrated that when a flame was present on the pressure-assisted flare burners tested, an average combustion efficiency of 99 percent or greater was achieved. Since the initial AMEL notice, we received additional combustion efficiency test data that further confirms this observation (see OCC comments in Docket ID Number EPA–HQ–OAR–204–0738–0030). In other words, the critical parameter in ensuring that the MPGF will achieve equivalent efficiency is dependent on a stable MPGF burner flame rather than the actual combustion efficiency, which to date has always been 98 percent or better over the gas composition mixtures tested. Therefore, we do not find that there is a need to operate a continuous PFTIR to demonstrate continuous combustion efficiency for MPGF. Instead, we rely on the continuous measurement of net heating value or lower flammability limit operating limits to ensure that the MPGF are operating well above the points of flame instability for the gas compositions evaluated. Further, based on our understanding of the PFTIR testing method, it is technically impracticable to operate a continuous PFTIR due to interferences that would be present for a continuous system on the multipoint array of burners in the MPGF (*e.g.,* availability of multiple sight lines and changing ambient conditions such as rain or fog). However, in the event that technology advancements make the continuous demonstration of combustion efficiency feasible, we acknowledge that this may provide another means by which operators can demonstrate equivalence with existing standards. Finally, while it is true that, in the development of operating limits for refinery flares, we noted in the refinery proposal that a higher NHV_{cz} target was appropriate for some mixtures of olefins and hydrogen, the combustion zone operating limits we are finalizing in today's notice are significantly more stringent than combustion zone parameters developed for traditional elevated refinery flares, including those with hydrogen and olefins, which should alleviate any such concerns with respect to combustion efficiency for these types of gas mixtures. In addition, and as discussed elsewhere in this section, an olefinic gas mixture (*i.e.,* propylene mixture) was tested and used to determine the NHV_{cz} and LFL_{cz} operating limits for the olefins plants applying for an AMEL. This gas mixture is both representative and challenging to the system with respect to the vent gas mixtures the MPGF will burn. In fact, when considering the full array of flare vent gas mixtures tested (*e.g.,* natural gas mixtures in the Marathon test, propylene mixtures in the Dow test and ethylene mixtures in the OCC test) and their corresponding points of flare flame instability on the MPGF burners, no single data point has shown instability above the NHV_{cz} (or below the LFL_{cz}) operating limits being finalized for Dow and ExxonMobil in Section III below.

Comment: One commenter suggested that flare minimization is also another important tool to mitigate the impact that MPGF will have on communities and suggested that the EPA require implementation of a flare management plan that requires facilities to:

(1) Identify the sources of the gas routed to a flare;

(2) Assess whether the gas routed to a flare can be minimized;

(3) Describe each flare covered by the flare management plan;

(4) Quantify the baseline flow rate to the flare after minimization techniques are implemented;

(5) Establish procedures to minimize or eliminate discharges to the flare during startup and shutdown operations; and

(6) If the flare is equipped with flare gas recovery, establish procedures to minimize downtime of the equipment.

Response: We consider the requirement to develop a flare management plan to be outside the scope of this AMEL. The purpose of this AMEL is to set site-specific conditions that an operator of a MPGF can use as an alternative to the existing requirements of 40 CFR 60.18 or 40 CFR 63.11 for flares, which do not include requirements for flare management plans.

III. Final Notice of Approval of the AMEL Requests and Required Operating Conditions

Based on information the EPA received from Dow and ExxonMobil and the comments received through the public comment period, operating requirements for the pressure-assisted MPGF at both of Dow's plants and both of ExxonMobil's plants that will achieve a reduction in emissions at least equivalent to the reduction in emissions being controlled by a steam-assisted, air-assisted or non-assisted flare complying with the requirements of either 40 CFR 63.11(b) or 40 CFR 60.18(b) are as follows:

(1) The MPGF system must be designed and operated such that the combustion zone gas net heating value (NHV_{cz}) is greater than or equal to 800 Btu/scf or the combustion zone gas lower flammability limit (LFL_{cz}) is less than or equal to 6.5 percent by volume. Owners or operators must demonstrate compliance with the NHV_{cz} or LFL_{cz} metric by continuously complying with a 15-minute block average. Owners or operators must calculate and monitor for the NHV_{cz} or LFL_{cz} according to the following:

(a) Calculation of NHV_{cz}

(i) The owner or operator shall determine NHV_{cz} from compositional analysis data by using the following equation:

$$NHV_{vg} = \sum_{i=1}^{n} x_i NHV_i \qquad \text{(Eqn. 1)}$$

Where:

NHV_{vg} = Net heating value of flare vent gas, British thermal units per standard cubic foot (Btu/scf). *Flare vent gas* means all gas found just prior to the MPGF. This gas includes all flare waste gas (*i.e.,* gas from facility operations that is directed to a flare for the purpose of disposing of the gas), flare sweep gas, flare purge gas and flare supplemental gas, but does not include pilot gas.

i = Individual component in flare vent gas.

n = Number of components in flare vent gas.

x_i = Concentration of component i in flare vent gas, volume fraction.

NHV_i = Net heating value of component i determined as the heat of combustion where the net enthalpy per mole of offgas is based on combustion at 25 degrees Celsius (°C) and 1 atmosphere (or constant pressure) with water in the gaseous state from values published in the literature, and then the values converted to a volumetric basis using 20 °C for ''standard temperature.'' Table 1 summarizes component properties including net heating values.

(ii) FOR MPGF, $NHV_{vg} = NHV_{cz}$.

(b) Calculation of LFL_{cz}

(i) The owner or operator shall determine LFL_{cz} from compositional analysis data by using the following equation:

$$LFL_{vg} = \frac{1}{\sum_{i=1}^{n}\left(\frac{\chi_i}{LFL_i}\right)} \qquad \text{(Eqn. 2)}$$

Where:

LFL_{vg} = Lower flammability limit of flare vent gas, volume fraction.

n = Number of components in the vent gas.

i = Individual component in the vent gas.

χ_i = Concentration of component i in the vent gas, volume percent (vol %).

LFL_i = Lower flammability limit of component i as determined using values published by the U.S. Bureau of Mines (Zabetakis, 1965), vol %. All inerts, including nitrogen, are assumed to have an infinite LFL (*e.g.,* $LFL_{N2} = \infty$, so that $\chi_{N2}/LFL_{N2} = 0$). LFL values for common flare vent gas components are provided in Table 1.

(ii) FOR MPGF, $LFL_{vg} = LFL_{cz}$.

(c) The operator of a MPGF system shall install, operate, calibrate and maintain a monitoring system capable of continuously measuring flare vent gas flow rate.

(d) The operator shall install, operate, calibrate and maintain a monitoring system capable of continuously measuring (*i.e.,* at least once every 15-minutes), calculating, and recording the individual component concentrations present in the flare vent gas or the owner or operator shall install, operate, calibrate and maintain a monitoring system capable of continuously measuring, calculating and recording NHV_{vg}.

(e) For each measurement produced by the monitoring system, the operator shall determine the 15-minute block average as the arithmetic average of all measurements made by the monitoring system within the 15-minute period.

(f) The operator must follow the calibration and maintenance procedures according to Table 2. Maintenance periods, instrument adjustments or checks to maintain precision and accuracy and zero and span adjustments may not exceed 5 percent of the time the flare is receiving regulated material.

TABLE 1—INDIVIDUAL COMPONENT PROPERTIES

Component	Molecular formula	MW_i (pounds per pound-mole)	NHV_i (British thermal units per standard cubic foot)	LFL_i (volume %)
Acetylene	C_2H_2	26.04	1,404	2.5
Benzene	C_6H_6	78.11	3,591	1.3
1,2-Butadiene	C_4H_6	54.09	2,794	2.0
1,3-Butadiene	C_4H_6	54.09	2,690	2.0
iso-Butane	C_4H_{10}	58.12	2,957	1.8
n-Butane	C_4H_{10}	58.12	2,968	1.8
cis-Butene	C_4H_8	56.11	2,830	1.6
iso-Butene	C_4H_8	56.11	2,928	1.8
trans-Butene	C_4H_8	56.11	2,826	1.7
Carbon Dioxide	CO_2	44.01	0	∞
Carbon Monoxide	CO	28.01	316	12.5
Cyclopropane	C_3H_6	42.08	2,185	2.4
Ethane	C_2H_6	30.07	1,595	3.0
Ethylene	C_2H_4	28.05	1,477	2.7
Hydrogen	H_2	2.02	274	4.0
Hydrogen Sulfide	H_2S	34.08	587	4.0
Methane	CH_4	16.04	896	5.0
Methyl-Acetylene	C_3H_4	40.06	2,088	1.7
Nitrogen	N_2	28.01	0	∞
Oxygen	O_2	32.00	0	∞
Pentane+ (C5+)	C_5H_{12}	72.15	3,655	1.4
Propadiene	C_3H_4	40.06	2,066	2.16

TABLE 1—INDIVIDUAL COMPONENT PROPERTIES—Continued

Component	Molecular formula	MW_i (pounds per pound-mole)	NHV_i (British thermal units per standard cubic foot)	LFL_i (volume %)
Propane	C_3H_8	44.10	2,281	2.1
Propylene	C_3H_6	42.08	2,150	2.4
Water	H_2O	18.02	0	∞

TABLE 2—ACCURACY AND CALIBRATION REQUIREMENTS

Parameter	Accuracy requirements	Calibration requirements
Flare Vent Gas Flow Rate	±20 percent of flow rate at velocities ranging from 0.1 to 1 feet per second. ±5 percent of flow rate at velocities greater than 1 foot per second.	Performance evaluation biennially (every two years) and following any period of more than 24 hours throughout which the flow rate exceeded the maximum rated flow rate of the sensor, or the data recorder was off scale. Checks of all mechanical connections for leakage monthly. Visual inspections and checks of system operation every 3 months, unless the system has a redundant flow sensor. Select a representative measurement location where swirling flow or abnormal velocity distributions due to upstream and downstream disturbances at the point of measurement are minimized.
Pressure	±5 percent over the normal range measured or 0.12 kilopascals (0.5 inches of water column), whichever is greater.	Review pressure sensor readings at least once a week for straight-line (unchanging) pressure and perform corrective action to ensure proper pressure sensor operation if blockage is indicated. Performance evaluation annually and following any period of more than 24 hours throughout which the pressure exceeded the maximum rated pressure of the sensor, or the data recorder was off scale. Checks of all mechanical connections for leakage monthly. Visual inspection of all components for integrity, oxidation and galvanic corrosion every 3 months, unless the system has a redundant pressure sensor. Select a representative measurement location that minimizes or eliminates pulsating pressure, vibration, and internal and external corrosion.
Net Heating Value by Calorimeter.	±2 percent of span	Calibration requirements should follow manufacturer's recommendations at a minimum. Temperature control (heated and/or cooled as necessary) the sampling system to ensure proper year-round operation. Where feasible, select a sampling location at least two equivalent diameters downstream from and 0.5 equivalent diameters upstream from the nearest disturbance. Select the sampling location at least two equivalent duct diameters from the nearest control device, point of pollutant generation, air in-leakages, or other point at which a change in the pollutant concentration or emission rate occurs.
Net Heating Value by Gas Chromatograph.	As specified in Performance Specification 9 of 40 CFR part 60, Appendix B.	Follow the procedure in Performance Specification 9 of 40 CFR part 60, Appendix B, except that a single daily mid-level calibration check can be used (rather than triplicate analysis), the multi-point calibration can be conducted quarterly (rather than monthly), and the sampling line temperature must be maintained at a minimum temperature of 60 °C (rather than 120 °C).

(2) The MPGF system shall be operated with a flame present at all times when in use. Each stage of MPGF burners must have at least two pilots with a continuously lit pilot flame. The pilot flame(s) must be continuously monitored by a thermocouple or any other equivalent device used to detect the presence of a flame. The time, date and duration of any complete loss of pilot flame on any stage of MPGF burners must be recorded. Each monitoring device must be maintained or replaced at a frequency in accordance with the manufacturer's specifications.

(3) The MPGF system shall be operated with no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. A video camera that is capable of continuously recording (*i.e.,* at least one frame every 15 seconds with time and date stamps) images of the flare flame and a reasonable distance above the flare flame at an angle suitable for visible emissions observations must be used to demonstrate compliance with this requirement. The owner or operator must provide real-time video surveillance camera output to the control room or other continuously manned location where the video camera images may be viewed at any time.

(4) The operator of a MPGF system shall install and operate pressure monitor(s) on the main flare header, as well as a valve position indicator monitoring system for each staging valve to ensure that the MPGF operates within the range of tested conditions or within the range of the manufacturer's specifications. The pressure monitor shall meet the requirements in Table 2. Maintenance periods, instrument adjustments or checks to maintain precision and accuracy, and zero and span adjustments may not exceed 5 percent of the time the flare is receiving regulated material.

(5) Recordkeeping Requirements

(a) All data must be recorded and maintained for a minimum of three years or for as long as applicable rule subpart(s) specify flare records should be kept, whichever is more stringent.

(6) Reporting Requirements

(a) The information specified in (b) and (c) below should be reported in the timeline specified by the applicable rule subpart(s) for which the MPGF will control emissions.

(b) Owners or operators should include the following information in their initial Notification of Compliance status report:

(i) Specify flare design as a pressure-assisted MPGF.

(ii) All visible emission readings, NHV_{cz} and/or LFL_{cz} determinations and flow rate measurements. For MPGF, exit velocity determinations do not need to be reported as the maximum permitted velocity requirements in the General Provisions at 40 CFR 60.18 and 40 CFR 63.11 are not applicable.

(iii) All periods during the compliance determination when a complete loss of pilot flame on any stage of MPGF burners occurs.

(iv) All periods during the compliance determination when the pressure monitor(s) on the main flare header show the MPGF burners operating outside the range of tested conditions or outside the range of the manufacturer's specifications.

(v) All periods during the compliance determination when the staging valve position indicator monitoring system indicates a stage of the MPGF should not be in operation and is or when a stage of the MPGF should be in operation and is not.

(c) The owner or operator shall notify the Administrator of periods of excess emissions in their Periodic Reports. These periods of excess emissions shall include:

(i) Records of each 15-minute block during which there was at least one minute when regulated material was routed to the MPGF and a complete loss of pilot flame on a stage of burners occurred.

(ii) Records of visible emissions events that are time and date stamped and exceed more than 5 minutes in any 2 hour consecutive period.

(iii) Records of each 15-minute block period for which an applicable combustion zone operating limit (*i.e.,* NHV_{cz} or LFL_{cz}) is not met for the MPGF when regulated material is being combusted in the flare. Indicate the date and time for each period, the NHV_{cz} and/or LFL_{cz} operating parameter for the period and the type of monitoring system used to determine compliance with the operating parameters (*e.g.,* gas chromatograph or calorimeter).

(iv) Records of when the pressure monitor(s) on the main flare header show the MPGF burners are operating outside the range of tested conditions or outside the range of the manufacturer's specifications. Indicate the date and time for each period, the pressure measurement, the stage(s) and number of MPGF burners affected and the range of tested conditions or manufacturer's specifications.

(v) Records of when the staging valve position indicator monitoring system indicates a stage of the MPGF should not be in operation and is or when a stage of the MPGF should be in operation and is not. Indicate the date and time for each period, whether the stage was supposed to be open but was closed or vice versa and the stage(s) and number of MPGF burners affected.

IV. Notice of AMEL Request for Occidental Chemical Corporation

On December 16, 2014, OCC submitted an AMEL request indicating plans to construct an ethylene production unit that will be comprised of five ethane cracking furnaces and associated recovery equipment at its plant located in Ingleside, Texas. As part of this request, OCC described plans to control emissions from the ethylene production unit using two thermal oxidizers as both a primary and backup control device for periods of normal operation and low-pressure maintenance, startup, and shutdown events, and that it is seeking an AMEL for a MPGF installation for use during limited high-pressure maintenance, startup, and shutdown events as well emergency situations. As part of its AMEL request, as well as in its comments submitted to Docket ID Number EPA–HQ–OAR–2014–0738–0030 on March 30, 2015, during the Dow and ExxonMobil initial AMEL notice comment period, OCC requested an AMEL for use of different MPGF burners at its plant located in Ingleside, Texas, than the burners Dow and ExxonMobil plan to use at their plants. Specifically, OCC provided both destruction efficiency/combustion efficiency testing and long-term MPGF flame stability testing for ethylene and ethylene-inert waste gas mixtures on its proposed MPGF burners. These test data show good performance below an NHV_{cz} of 800 Btu/scf or above an LFL_{cz} of 6.5 volume percent, although OCC stated in the AMEL request that it plans to comply with the same compliance requirements laid out for Dow and ExxonMobil in Section III above. Therefore, we are seeking comment on whether these operating requirements would establish an AMEL for OCC that will achieve a reduction in emissions at least equivalent to the reduction in emissions for flares complying with the requirements in 40 CFR 63.11(b) or 40 CFR 60.18(b).

V. Notice of Framework for Streamlining Approval of Future Pressure-Assisted MPGF AMEL Requests

We are seeking comments on a framework sources may use to submit an AMEL request to the EPA to use MPGF as control devices to comply with NSPS and NESHAP under 40 CFR parts 60, 61, and 63. At a minimum, sources considering use of MPGF as an emissions control technology should provide the EPA with the following information in its AMEL request when demonstrating MPGF equivalency:

(1) Project Scope and Background

(a) Size and scope of plant, products produced, location of facility and the MPGF proximity, if less than 2 miles, to the local community and schools.

(b) Details of overall emissions control scheme (*e.g.,* low pressure control scenario and high pressure control scenario), MPGF capacity and operation (including number of rows (stages), number of burners and pilots per stage and staging curve), and MPGF control utilization (*e.g.,* handles routine flows, only flows during periods of startup, shutdown, maintenance, emergencies).

(c) Details of typical and/or anticipated flare waste gas compositions and profiles for which the MPGF will control.

(d) MPGF burner design including type, geometry, and size.

(e) Anticipated date of startup.

(2) Regulatory Applicability

(a) Detailed list or table of applicable regulatory subparts, applicable standards that allow use of flares, and authority that allows for use of an AMEL.

(3) Destruction Efficiency/Combustion Efficiency Performance Demonstration

(a) Sources must provide a performance demonstration to the agency that the MPGF pressure-assisted burner being proposed for use will achieve a level of control at least equivalent to the most stringent level of control required by the underlying standards (*e.g.,* 98% destruction efficiency or better). Facilities can elect to do a performance test that includes a minimum of three test runs under the most challenging conditions (*e.g.,* highest operating pressure and/or sonic velocity conditions) using PFTIR testing, extractive sampling or rely on an engineering assessment. Sources must test using fuel representative of the type of waste gas the MPGF will typically burn or substitute a waste gas such as an olefin gas or olefinic gas mixture that will challenge the MPGF to perform at a high level of control in a smokeless capacity.

(i) If a performance test is done, a test report must be submitted to the agency which includes at a minimum: A description of the testing, a protocol describing the test methodology used, associated test method quality assurance/quality control (QA/QC) parameters, raw field and laboratory data sheets, summary data report sheets,

calibration standards, calibration curves, completed visible emissions observation forms, a calculation of the average destruction efficiency and combustion efficiency over the course of each test, the date, time and duration of the test, the waste gas composition and NHV_{cz} and/or LFL_{cz} the gas tested, the flowrate (at standard conditions) and velocity of the waste gas, the MPGF burner tip pressure, waste gas temperature, meteorological conditions (*e.g.,* ambient temperature, and barometric pressure, wind speed and direction, relative humidity), and whether there were any observed flare flameouts.

(ii) If an engineering assessment is done, sources must provide to the agency a demonstration that a proper level of destruction/combustion efficiency was obtained, through prior performance testing or the like for a similar equivalent burner type design. To support an equivalent burner assessment of destruction/combustion efficiency, sources must discuss and provide information related to design principles of burner type, burner size, burner geometry, air-fuel mixing, and the combustion principles associated with this burner that will assure smokeless operation under a variety of operating conditions. Similarly, sources must also provide details outlining why all of these factors, in concert with the waste gas that was tested in the supporting reference materials, support the conclusion that the MPGF burners being proposed for use by the source will achieve at least an equivalent level of destruction efficiency as required by the underlying applicable regulations.

(4) Long-Term MPGF Stability Testing

(a) The operation of a MPGF with a stable, lit flame is of paramount importance to continuously ensuring good flare performance; therefore, any source wishing to demonstrate equivalency for purposes of using these types of installations must conduct a long-term stability performance test. Since flare tip design and waste gas composition have significant impact on the range of stable operation, sources should use a representative waste gas the MPGF will typically burn or a waste gas, such as an olefin or olefinic mixture, that will challenge the MPGF to perform at a high level with a stable flame as well as challenge its smokeless capacity.

(b) Sources should first design and carry out a performance test to determine the point of flare flame instability and flameout for the MPGF burner and waste gas composition chosen to be tested. Successful, initial demonstration of stability is achieved when there is a stable, lit flame for a minimum of five minutes at consistent flow and waste gas composition. It is recommended, although not required, that sources determine the point of instability at sonic flow conditions or at the highest operating pressure anticipated. Any data which demonstrates instability and complete loss of flame prior to the five minute period must be reported along the initial stable flame demonstration. Along with destruction efficiency and combustion efficiency, the data elements laid out in 3(a)(i) should also be reported.

(c) Using the results from (b) above as a starting point, sources must perform a minimum of three replicate tests at both the minimum and maximum operating conditions on at least one MPGF burner at or above the NHV_{cz} or at or below the LFL_{cz} determined in 4(b). If more than one burner is tested, the spacing between the burners must be representative of the projected installation. Each test must be a minimum of 15-minutes in duration with constant flow and composition for the three runs at minimum conditions, and the three runs at the maximum conditions. The data and data elements mentioned in 4(b) must also be reported.

(5) MPGF Cross-light Testing

(a) Sources must design and carryout a performance test to successfully demonstrate that cross-lighting of the MPGF burners will occur over the range of operating conditions (*e.g.,* operating pressure and/or velocity (Mach) condition) for which the burners will be used. Sources may use the NHV_{cz} and/or LFL_{cz} established in 4 above and perform a minimum of three replicate runs at each of the operating conditions. Sources must cross-light a minimum of three burners and the spacing between the burners and location of the pilot flame must be representative of the projected installation. At a minimum, sources must report the following: A description of the testing, a protocol describing the test methodology used, associated test method QA/QC parameters, the waste gas composition and NHV_{cz} and/or LFL_{cz} of the gas tested, the velocity (or Mach speed ratio) of the waste gas tested, the MPGF burner tip pressure, the time, length, and duration of the test, records of whether a successful cross-light was observed over all of the burners and the length of time it took for the burners to cross-light, records of maintaining a stable flame after a successful cross-light and the duration for which this was observed, records of any smoking events during the cross-light, waste gas temperature, meteorological conditions (*e.g.,* ambient temperature, and barometric pressure, wind speed and direction, relative humidity), and whether there were any observed flare flameouts.

(6) Flaring Reduction Considerations

(a) Sources must make a demonstration, considering MPGF utilization, on whether additional flare reduction measures, including flare gas recovery, should be utilized and implemented.

(7) MPGF Monitoring and Operating Conditions

(a) Based on the results of the criteria mentioned above in this section, sources must make recommendations to the agency on the type of monitoring and operating conditions necessary for the MPGF to demonstrate equivalent reductions in emissions as compared to flares complying with the requirements at 40 CFR 60.18 and 40 CFR 63.11, taking into consideration a control scheme designed to handle highly variable flows and waste gas compositions.

We solicit comment on all aspects of this framework. We anticipate this framework would enable the agency to review and approve future AMEL requests for MPGF installations in a more expeditious timeframe because we anticipate that the information required by the framework would provide us with sufficient information to evaluate future AMEL requests. We note that all aspects of future AMEL requests would still be subject to a notice and comment proceeding.

Dated: August 20, 2015.

Janet G. McCabe,

Acting Assistant Administrator.

[FR Doc. 2015–21420 Filed 8–28–15; 8:45 am]

BILLING CODE 6560–50–P

DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

44 CFR Part 67

[Docket ID FEMA–2015–0001; Internal Agency Docket No. FEMA–B–1149]

Proposed Flood Elevation Determinations for Jackson County, Arkansas, and Incorporated Areas

AGENCY: Federal Emergency Management Agency, DHS.

ACTION: Proposed rule; withdrawal.

SUMMARY: The Federal Emergency Management Agency (FEMA) is withdrawing its proposed rule concerning proposed flood elevation

Rec'd 12/1/15

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 18, 2015

91 7199 9991 7033 2765 9066

MR. BENJAMIN HURST
ENVIRONMENTAL SECTION SUPERVISOR
EXXON MOBIL CORPORATION
P.O. BOX 100
BAYTOWN, TEXAS 77522-0100

Re: Alternative Means of Control for 30 TAC Chapter 115
AMOC Number: AMOC-4
Exxon Mobil Corporation
Mont Belvieu Plastics Plant
Mont Belvieu, Chambers County
Regulated Entity Number: RN102501020
Customer Reference Number: CN600123939
Affected Permit(s): 103048

Dear Mr. Hurst:

The Executive Director of the Texas Commission on Environmental Quality (TCEQ) has made a final decision to approve your above-referenced Alternate Means of Control (AMOC) Plan. Enclosed you will find the authorized AMOC Plan and Provisions. No comments were received during the 30-day comment period; however, minor changes have been made to the final AMOC Plan to reflect changes made to the final corresponding Alternate Means of Emission Limitation approved by the U.S. Environmental Protection Agency (EPA).

Please note you have an opportunity to appeal the Executive Director's determination on the AMOC Plan to the commission within 15 days from the date of receipt of this letter under Title 30 Texas Administrative Code § 115.914(7) (30 TAC § 115.914(7)). Also, under 30 TAC § 115.914(8), the EPA has 45 days from the date of the TCEQ's final approval of the AMOC Plan to inform the Air Permits Division that it disapproves the AMOC Plan. Per § 115.914(9)-(11), the AMOC plan will become effective with the latter of either EPA acceptance of, or the Commission's issuance of the AMOC plan. Once effective, the AMOC becomes part of the State Implementation Plan. It will allow ExxonMobil to use the multi-point ground flare with the specified provisions as an alternative to complying with 30 TAC Chapter 115.

This AMOC Plan and Provisions supersede certain requirements in Permit(s) No. 103048. To ensure effective and consistent enforceability, we request that ExxonMobil incorporate this AMOC Plan and Provisions into the permit(s) through an alteration or amendment no later than 90 days after this approval. This AMOC Plan and Provisions change applicable requirements for the site, including existing monitoring, reporting, recordkeeping, and testing requirements which may have implications for the applicability of any Site Operating Permit (SOP) requirements.

This action is taken under authority delegated by the Executive Director of the TCEQ. If you have any questions, please call Ms. Dana Poppa Vermillion, P.E. at (512) 239-1280, or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Texas Commission on Environmental Quality

Enclosures
Project No.: 229415

cc: Air Section Manager, Region 12 - Houston

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 18, 2015

RETURN RECEIPT REQUESTED ####

MR MARK HANSEN
ACTING ASSOCIATE DIRECTOR AIR PROGRAMS
U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 6 (6PD-A)
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202-2733

Re: Alternative Means of Control for 30 TAC Chapter 115
AMOC Number: AMOC-4
Exxon Mobil Corporation
Mont Belvieu Plastics Plant
Mont Belvieu, Chambers County
Regulated Entity Number: RN102501020
Customer Reference Number: CN600123939
Affected Permit(s): 103048

Dear Mr. Hansen,

As required by Title 30 Texas Administrative Code § 115.914(6) (30 TAC § 115.914(6)), we are notifying you that the Texas Commission on Environmental Quality (TCEQ) has made a final determination to approve the above-referenced Alternate Means of Control (AMOC) Plan. A copy of the letter to ExxonMobil, AMOC Plan, and the TCEQ Technical Summary and Analysis are enclosed.

After preliminary approval, ExxonMobil published a Notice of Intent to Obtain an AMOC Plan in accordance with Title 30 Texas Administrative Code § 115.914(3) and § 115.915. ExxonMobil published in *The Baytown Sun* on June 18 and June 19, 2015. The 30-day public comment period concluded on July 19, 2015. No comments were received during the 30-day comment period; however, the final AMOC Plan does include some minor changes to reflect changes made to the final U.S. Environmental Protection Agency (EPA) Alternative Means of Emission Limitation (AMEL) for these flares.

Please note, under 30 TAC § 115.914(7), the EPA has an opportunity to appeal the Executive Director's determination on the AMOC Plan to the Commission within 15 days from the date of receipt of this letter. Also, under 30 TAC § 115.914(8), the EPA has 45 days from the date of the TCEQ's final approval of the AMOC Plan to inform the Air Permits Division that you have disapproved the AMOC Plan. In such an event, the Executive Director will void or revise the AMOC Plan.

Per § 115.914(9)-(11), the AMOC plan will become effective with the latter of either EPA acceptance of, or the Commission's issuance of the AMOC plan. Once effective, the AMOC becomes part of the State Implementation Plan. It will allow ExxonMobil to use the multi-point

ground flares for the Mont Belvieu Plastics Plant with the specified provisions as an alternative to complying with 30 TAC Chapter 115.

If you have any questions, please call Ms. Dana Poppa Vermillion, P.E. at (512) 239-1280, or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Texas Commission on Environmental Quality

Enclosures

cc: Ms. Donna Huff, Manager, Air Quality Planning Section, Air Quality Division

Project No.: 229415

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Alternative Method of Control (AMOC) Plan
Authorization AMOC No.: AMOC-4
Exxon Mobil Corporation, Mont Belvieu, Chambers County
Regulated Entity Number: RN102501020

1. This AMOC Plan Authorization shall apply to the ExxonMobil Chemical Company, Mont Belvieu Plastics Plant (MBPP). The facility is covered by TCEQ Regulated Entity Number RN 102501020.
2. A copy of the application and the AMOC Plan Authorization conditions must be kept on-site or at a centralized location and made available at the request of personnel from the TCEQ or any air pollution control agency with appropriate jurisdiction. The application is defined by the AMOC application received January 4, 2013 and subsequent supporting documents dated October 21, 2014, December 19, 2014 and April 29, 2015.
3. The following stationary pressure-assisted flare system is covered under this AMOC Plan Authorization: Multi-Point Ground Flare (EPN 3UFLARE63). This authorization is granted under Title 30 Texas Administrative Code §115.910 (30 TAC §115.910) and addresses the use of this flare system for emission sources regulated by 30 TAC 115 Subchapters B through H, as applicable, including 30 TAC §115.722(d) and §115.722(d)(2), and shall apply in lieu thereof. Compliance with this AMOC is independent of MBPP's obligation to comply with all other TCEQ permits and all other applicable TCEQ Regulations.
4. The flare is pressure-assisted and the flare tip arms include small holes for the waste gas. The flare uses the waste gas pressure to create a condition whereby ambient air is drawn into contact with the gas, and mixed with the gas in such a manner as to achieve smokeless combustion.
5. The flare shall be designed and operated in accordance with the following requirements:
   A. The flare system shall be designed and operated such that the waste gas in the flare meets a minimum net heating value of 800 BTU/scf or a lower flammability limit of the combustion zone gas of less than or equal to 6.5 percent by volume on a 15 minute block average basis under normal, upset, maintenance, start-up and shutdown flow conditions when the flare system is operated with the pressure-assisted flare tips in service. The net heating value or lower flammability limit shall be satisfied at all times during operations authorized by the AMOC unless the flare system meets the 40 CFR §60.18 specifications of minimum net heating value and maximum tip velocity. If

MBPP elects to demonstrate compliance with the 40 CFR §60.18 specifications for minimum net heating value and/or maximum flare tip velocity, flare testing per 40 CFR §60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements. The minimum net heating value or lower flammability limit shall be calculated using the methodologies in the Appendix of this document.

B. The flare shall be operated with a flame present at all times when in use. Each stage of the multi-point ground flare burners must have at least two pilots with a continuously lit pilot flame. The pilot flame(s) shall be continuously monitored by a thermocouple or other continuous monitoring device. The time, date, and duration of any complete loss of pilot flame on any stage of multi-point ground flare burners must be recorded. Each monitoring device shall be maintained or replaced at a frequency in accordance with the manufacturer's specifications or equivalent.

C. The flare shall be operated with no visible emissions except for periods not to exceed a total of 5 minutes during any two consecutive hours. A video camera must be used in order to conduct visible emission observations since operating personnel cannot enter the fenced area while the Multi-Point Ground Flare is operating.

D. The pressure of the waste gas stream flowing through the main plant header to the pressure-assisted flare tips must be 4.0 psig or greater on a 15 minute block average basis in order to support proper combustion and limit visible emissions. The pressure of the waste gas stream flowing through the main plant flare header(s) shall be monitored by a pressure monitoring system and the 15 minute block average pressure must be recorded for a period of two years from the date of measurement. The flare system will also be equipped with a valve position indicator monitoring system for each staging valve to ensure that the multi-point ground flare operates within the range of tested conditions or within the range of the manufacturer's specifications.

6. The operator shall install and operate an on-line waste gas flow meter and an on-line analyzer (gas chromatograph or calorimeter) to measure the flow and composition of the waste gas to the flare. The flow rate and composition of the waste gas shall be measured and recorded on a 15 minute block average. The operator shall comply with all Monitoring and Testing Requirements and all Recordkeeping and Reporting Requirements for these monitoring systems as specified in 30 TAC §§115.725 and 115.726, effective December 23, 2004, as applicable.

7. Compliance with the requirements of this plan does not assure compliance with requirements of an applicable New Source Performance Standard, an applicable National Emission Standard for Hazardous Air Pollutants or an Alternative Means of Emission Limitation and does not constitute approval of alternative standards for these regulations.

Appendix A
AMOC Plan

Equations for Calculations Referenced in Special Condition No. 5.A.

Net Heating Value of Waste Gas Stream (Btu/scf)

Option #1 - The owner or operator shall determine the net heating value of the vent gas using the following equation if using the analytical results from an on-line gas chromatograph:

$$NHV_{vg} = \sum_{i=1}^{n} x_i NHV_i$$

Where:

NHV_{vg} = Net heating of the flare vent gas, Btu/scf, British thermal units per standard cubic foot. Flare vent gas means all gas found just prior to the MPGF. This gas includes all flare waste gas (i.e., gas from facility operations that is directed to a flare for the purpose of disposing of the gas), flare sweep gas, flare purge gas and flare supplemental gas, but does not include pilot gas.

i = Individual component in flare vent gas

n = Number of components in flare vent gas

x_i = Concentration of component i in flare vent gas, volume fraction

NHV_i = Net heating value of component i using either the values in table 1 below or a published value where the net enthalpy per mole of offgas is based on combustion at 25 °C and 1 atmosphere (or constant pressure) with offgas water in the gaseous state, but the standard temperature for determining the volume corresponding to one mole of vent gas is 20 °C.

Option #2 – The owner or operator can use the value directly measured if an on-line calorimeter is used to measure, calculate, and record the net heating value of the waste gas stream at standard conditions (Btu/scf).

Lower Flammability of Combustion Zone Gas (LFL Volume %)

For this flare design, the Lower Flammability Limit of the combustion zone gas is the same as the Lower Flammability Limit of the vent gas since there is no flow of steam or premix assist air. The equation for calculating the Lower Flammability Limit of the vent gas stream is provided below:

$$LFL_{vg} = \frac{1}{\sum_{i=1}^{n}\left(\frac{\chi_i}{LFL_i}\right)}$$

Where:

LFL_{vg} = Lower flammability limit of flare vent gas, volume fraction

n = Number of components in the vent gas

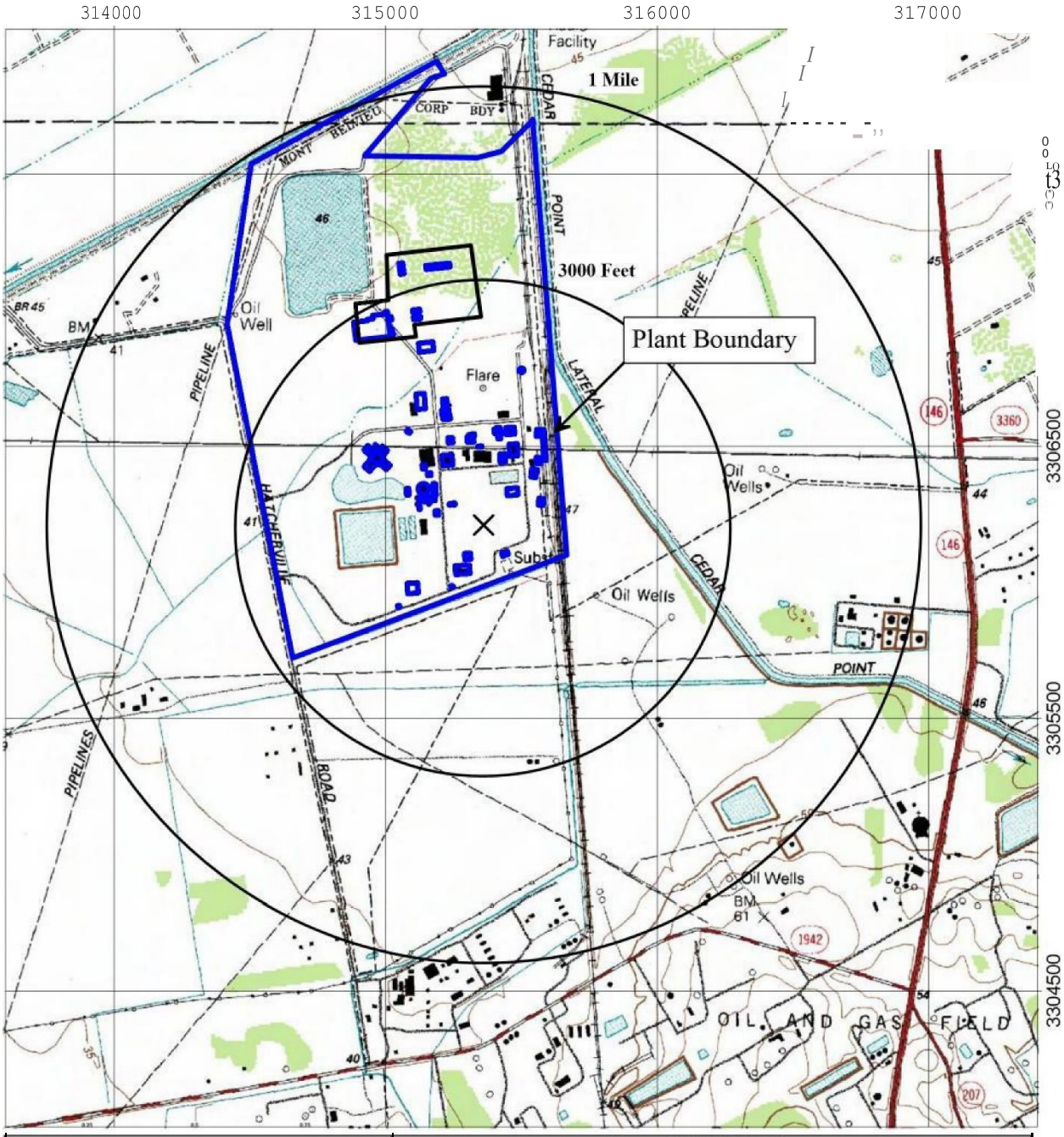
i = Individual component in the vent gas

X_i = Concentration of component i in the vent gas, volume percent

LFL_i = Lower flammability limit of component i as determined using values published by the U.S. Bureau of Mines (Zabetakis, 1965), vol %. All inerts, including nitrogen, shall be assumed to have an infinite lower flammability limit (e.g. LFL of nitrogen = infinity, so that the vol fraction of nitrogen divided by LFL of nitrogen = 0). LFL values for common flare vent gas compounds are provided in Table 1, and may also be used in these calculations.

Table 1 – Individual Component Properties

Component	NHV (British thermal units per standard cubic foot)	LFL (volume %)
Acetylene	1,404	2.5
Benzene	3,591	1.3
1,2-Butadiene	2,794	2.0
1,3-Butadiene	2,690	2.0
Iso-Butane	2,957	1.8
n-Butane	2,968	1.8
cis-Butene	2,830	1.6
iso-Butene	2,928	1.8
trans-Butene	2,826	1.7
Carbon Dioxide	0	Infinity
Carbon Monoxide	316	12.5
Cyclopropane	2,185	2.4
Ethane	1,595	3.0
Ethylene	1,477	2.7
Hydrogen	274	4.0
Hydrogen Sulfide	587	4.0
Methane	896	5.0
Methyl-Acetylene	2,088	1.7
Nitrogen	0	Infinity
Oxygen	0	Infinity
Pentane + (C5+)	3,655	1.4
Propadiene	2,066	2.16
Propane	2,281	2.1
Propylene	2,150	2.4
Water	0	Infinity



SCALE (meters)

0 250 500 750 1000

NORTH

AREA MAP

Mont Belvieu Plastics Plant

ExxonMobil

DATE: August 2024