

**From:** [Tusar Swami](#)  
**To:** "[Pena, Shawn \(S\)](#)"  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - PM requirement for 2910 & 2911  
**Date:** Wednesday, April 29, 2026 1:43:00 PM

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Thanks, Shawn:

I will send you an updated copy before the official copy goes out. Thanks again for your understanding and timely response.

Sincerely,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality**

**OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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**From:** Pena, Shawn (S) <[shawn.pena@dow.com](mailto:shawn.pena@dow.com)>  
**Sent:** Wednesday, April 29, 2026 1:38 PM  
**To:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Subject:** FW: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - PM requirement for 2910 & 2911

Tusar,

Thank you. We understand that periodic monitoring for PM-V-058 and PM-V-059 is required in the permit and agree with your recommendation to add that back.

When that change is made, would it be possible to see a copy of the updated permit and statement of basis (which contains a summary of periodic monitoring)?

Regards,

Shawn

General Business

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**From:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>

**Sent:** Tuesday, April 28, 2026 3:50 PM

**To:** Pena, Shawn (S) <[shawn.pena@dow.com](mailto:shawn.pena@dow.com)>

**Subject:** Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - PM requirement for 2910 & 2911

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Good afternoon, Shawn:

We are finalizing the PNAP. One issue came up for which I would like to correct myself. On March 3<sup>rd</sup>, 2026, you were seeking guidance regarding the periodic monitoring requirements associated with PM Option Numbers PM-V-058 and PM-V-059 for Unit ID Nos. 2910 and 2911. At that time, I responded saying that “there is no PM requirements for NSPS Kb because of some changes. PM-V-058 and PM-V-059 are removed.” In fact, we do need Periodic Monitoring for NSPS Kb even though some changes took place.

Please note that following two rules apply to 2910 and 2911.

30 TAC Chapter 115, Storage of VOC – PM-V-003 (no issues)

40 CFR Part 60, Subpart Kb – Currently we have PM-V-058 and PM-V-059. These two go together and were provided in the effective permit as well. My suggestion is to go with it.

NSPS Kb establishes an emission limit for the control device, but it also establishes a separate limit for the closed vent system (no detectable emissions). This is why your request to substitute flare monitoring for closed vent system monitoring is not appropriate – in this case, we must satisfy periodic monitoring for both parts. The rule language addresses the control device aspect with the flare recordkeeping requirements. Additional periodic monitoring must be added for the closed vent system.

If you do not wish to use PM-V-058 and PM-V-059, you can review the other options in the guidance ([periodicmon.pdf](#)) or propose case-by-case which needs additional review and approval. **Please let me know by end of Wednesday (4/29).** Sorry for any inconvenience.

Sincerely,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality**

**OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

## Texas Commission on Environmental Quality

Title V Existing

2032

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LOW PRESSURE POLYETHYLENE & CATALYST FACILITIES
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 State Hwy 185 N
City	Seadrift
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.516388
Longitude (W) (-###.#####)	96.768055
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102181526
What is the name of the Regulated Entity (RE)?	UCC SEADRIFT OPERATIONS
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	7501 STATE HIGHWAY 185 N
City	SEADRIFT
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.499581
Longitude (W) (-###.#####)	-96.767508
Facility NAICS Code	
What is the primary business of this entity?	CHEMICAL PLANT

## Customer (Applicant) Information

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How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305
State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	No

## Responsible Official Contact

---

Person TCEQ should contact for questions about this application:	
Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	HEATHER
Middle	
Last	LYONS
Suffix	
Credentials	
Title	LEAD SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 186
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT LAVACA
State	TX
ZIP	77979

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

3615532769

Extension

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

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

E-mail

hlyons@dow.com

## Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

FERNANDO FROLLINI(UNION CARBIDE C... )

Organization Name

UNION CARBIDE CORPORATION

Prefix

MR

First

FERNANDO

Middle

Last

FROLLINI

Suffix

Credentials

Title

RESPONSIBLE CARE DIRECTOR

Enter new address or copy one from list

Mailing Address

Address Type

Domestic

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

PO BOX 186

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

City

PORT LAVACA

State

TX

Zip

77979

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

3615532816

Extension

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

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

E-mail

f.frollini@dow.com

## Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

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

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

City

State

ZIP

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

Extension

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

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

E-mail

SHAWN PENA(THE DOW CHEMICA... )

THE DOW CHEMICAL COMPANY

MR

SHAWN

PENA

ENVIRONMENTAL SPECIALIST

Domestic

PO BOX 186

PORT LAVACA

TX

77979

3615533401

shawn.pena@dow.com

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

28 Deg 30 Min 59 Sec

3) Permit Longitude Coordinate:

96 Deg 46 Min 5 Sec

4) Is this submittal a new application or an update to an existing application?

Update

4.1. Select the permit/project number for which this update should be applied.

2032-37006

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)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

</ePermitsExternal/faces/file?fileId=328226>>OP-CRO1.pdf</a>

Hash

414C8741ECE6030C9B8D2050B7642984E222569D842F595E855B6F3F68FEE0A6

MIME-Type

application/pdf

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

## Certification

I certify that I am the 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 Fernando Frollini, the owner of the STEERS account ER100782.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V Existing 2032.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Fernando Frollini OWNER OPERATOR

Account Number:	ER100782
Signature IP Address:	165.225.32.93
Signature Date:	2026-04-14
Signature Hash:	ADB18F39BF45922D7D54298D4BB38614B6108BA7F36B0BF4190AE641F752765D
Form Hash Code at time of Signature:	4DDA25979D8C1C5040D48D8EC892CE1C7B1557336C6AA23EF571F38AD999E14E

## Submission

Reference Number:	The application reference number is 909208
Submitted by:	The application was submitted by ER100782/Fernando Frollini
Submitted Timestamp:	The application was submitted on 2026-04-14 at 14:28:31 CDT
Submitted From:	The application was submitted from IP address 165.225.32.93
Confirmation Number:	The confirmation number is 762304
Steers Version:	The STEERS version is 6.94
Permit Number:	The permit number is 2032

## Additional Information

Application Creator: This account was created by Shawn Pena

---

**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.

<b>I. Identifying Information</b>	
RN: RN102181526	
CN: CN601688781	
Account No.: CB-0028-T	
Permit No.: O2032	
Project No.: 37006	
Area Name: L.P. Polyethylene & Catalyst Units	
Company Name: Union Carbide Corporation	
<b>II. Certification Type</b> <i>(Please mark appropriate box)</i>	
<input type="checkbox"/> Responsible Official	<input checked="" type="checkbox"/> Duly Authorized Representative
<b>III. Submittal Type</b> <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>	
<input type="checkbox"/> SOP/TOP Initial Permit Application	<input type="checkbox"/> Permit Revision, Renewal, or Reopening
<input type="checkbox"/> GOP Initial Permit Application	<input checked="" type="checkbox"/> Update to Permit Application
<input type="checkbox"/> 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.

<b>IV. Certification of Truth</b>			
<b>This certification does not extend to information which is designated by TCEQ as information for reference only.</b>			
I, <u>Fernando Frollini</u> certify that I am the <u>DAR</u>			
<i>(Certifier Name printed or typed)</i>		<i>(RO or DAR)</i>	
and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete: <i>Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).</i>			
Time Period: From <u>08/30/2024</u> to <u>04/09/2026</u>			
<i>(Start Date)</i>		<i>(End Date)</i>	
Specific Dates: _____			
<i>(Date 1)</i>	<i>(Date 2)</i>	<i>(Date 3)</i>	<i>(Date 4)</i>
_____		_____	
<i>(Date 5)</i>		<i>(Date 6)</i>	
Signature: <u>Fernando Frollini</u>		Signature Date: <u>4/14/26</u>	
Title: <u>Site Responsible Care Director</u>			

**From:** Pena, Shawn (S) <shawn.pena@dow.com>  
**Sent:** Friday, April 10, 2026 4:07 PM  
**To:** Tusar Swami  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 4/16/2026

Tusar,

We don't have any comments on these changes. I have a meeting scheduled with the DAR on Monday to review and approve the OP-CRO1.

Thank you,  
Shawn Pena  
Environmental Specialist

General Business

---

**From:** Tusar Swami <tusar.swami@tceq.texas.gov>  
**Sent:** Thursday, April 9, 2026 4:27 PM  
**To:** Pena, Shawn (S) <shawn.pena@dow.com>  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 4/16/2026

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Good afternoon, Shawn:

Please see the updated draft. Based on the attribute values (OP-UA4, MACT EEEE) submitted for Unit IDs ISOPARUL, MAOUL, and TOLUENEUL there is a slight change in the requirement. Related standards § 63.2338(b) and § 63.2350(d) are removed.

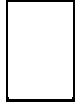
I will be preparing the PN Authorization package very soon for management review, need final certification. **Please submit an OP-CRO1 for the duration 08/30/2024 through the current date.** Thanks in advance.

Sincerely,

*Tusar Swami, P. E.*

**Texas Commission on Environmental Quality  
OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753  
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087  
Phone: 512/239-1581 Fax: 512/239-1400  
Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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**From:** Pena, Shawn (S) <[shawn.pena@dow.com](mailto:shawn.pena@dow.com)>  
**Sent:** Thursday, April 2, 2026 5:05 PM  
**To:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 3/18/2026

Tusar,

Attached is an updated copy of OP-UA4 to include MACT EEEE attributes for Unit IDs ISOPARUL, MAOUL, and TOLUENEUL. Please let me know if any additional updates are needed. Can you please let me know if there are any changes to the requirements?

We don't have any additional comments regarding the draft permit.

Regards,  
Shawn

General Business

---

**From:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Sent:** Wednesday, March 18, 2026 4:15 PM  
**To:** Pena, Shawn (S) <[shawn.pena@dow.com](mailto:shawn.pena@dow.com)>  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 3/18/2026

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Shawn:

While waiting for your response, I was preparing the PNAP and noted that: For Unit IDs ISOPARUL, MAOUL and TOLUENEUL (all OP-UA4, SOP Index No. 63EEEE-01) we do not have any attribute values for MACT EEEE in Table 11. The requirements are determined manually. The attribute values are important and populate the Statement of Basis.

Looks like as per the latest version (10/25) of the OP-UA4 we need to submit that. It may or may not change the requirements. **Please submit the OP-UA4 (Table 11) for those 3 Unit IDs by 4/3/2026.**

**Loading/Unloading Operations Attributes  
Form OP-UA4  
Federal Operating Permit Program  
Texas Commission on Environmental Quality**

**Table 11a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)  
Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquid Distribution (Non-Gasoline)**

Unit ID No.	SOP Index No.	Means of Compliance	Emissions Type	Combination of Control Devices	Control Device	Control Device ID No.	Meets 63.988(b)(2)	Performance Test	Continuous Monitoring System
ISOPARUL	63EEEE-01	UNLOAD							
MAOUL	63EEEE-01	UNLOAD							
TOLUENEUL	63EEEE-01	UNLOAD							

[Go to the Table of Contents](#)

[TCEQ Form 10041ins - OPbu-UA4 – Instructions Loading/Unloading Operations Attributes](#)

Also wanted to let you know that I will be out of office tomorrow 3/19 and 3/20, then again 3/24 through 4/3. Hopefully, we will be able to send the PNAP in first half of April. Thanks in advance for your help.

Sincerely,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality  
OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753  
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087  
Phone: 512/239-1581 Fax: 512/239-1400  
Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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**From:** Tusar Swami

**Sent:** Wednesday, March 11, 2026 5:48 PM

**To:** 'Pena, Shawn (S)' <[Shawn.Pena@Dow.com](mailto:Shawn.Pena@Dow.com)>

**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 3/18/2026

Shawn:

Please see the updated draft and statement of basis. See my response below. You need to accept the draft followed by certification through STEERS for the duration 09/20/2024 thru the current date.

If you want to update the process description, please send me an updated one.

Hopefully, this is the final round of review. As always thank you for your help as we are trying to move this project forward.

Sincerely,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality  
OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753  
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087  
Phone: 512/239-1581 Fax: 512/239-1400  
Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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---

**From:** Pena, Shawn (S) <[Shawn.Pena@Dow.com](mailto:Shawn.Pena@Dow.com)>  
**Sent:** Tuesday, March 3, 2026 5:40 PM  
**To:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Subject:** FW: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 2/20/2026

Tusar,

Attached are copies of the OP-PBR SUP, OP-REQ1, and OP-SUMR, which we believe address your comments. The revisions to the forms are indicated in bold italics.

Please note that, in the draft permit, Standard Permit 168900 appears in the PSD section of the New Source Review Authorization References table but should be in the Other Authorizations section. {Tusar: Corrected.}

Please see the Revision No. 7 from the OP-REQ3 as it seems that some of the additions were not included draft permit. {Tusar: 63H Requirements are added for LPPEFUG and PRODFUG with requirements for Pressure Relief Devices in Gas/Vapor Services removed as they are covered under 63FFFF.}

Would it be possible to review a copy of the Statement of Basis prior to issuance for public notice? {Tusar: Please see attached. It is not final.}

Additionally, we are seeking guidance regarding the periodic monitoring requirements associated with PM Option Numbers PM-V-058 and PM-V-059 for Unit ID Nos. 2910 and 2911. These tanks are routed to a flare, and we understand that it may be acceptable to reference PM-V-003 in lieu of PM-V-058 and PM-V-059 in this case. Could you please confirm whether this option is acceptable for ID Nos. 2910 and 2911? {Tusar: There is no PM requirements for NSPS Kb because of some changes. PM-V-058 and PM-V-059 are removed.}

Thank you,  
Shawn

General Business

---

**From:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Sent:** Thursday, February 19, 2026 1:30 PM  
**To:** Pena, Shawn (S) <[Shawn.Pena@Dow.com](mailto:Shawn.Pena@Dow.com)>  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 2/20/2026

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

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
		1083		CATALYST WASH POT		1567	PSDTX118M4
		1084		CATALYST WASH POT		1567	PSDTX118M4
		1085		CATALYST WASH POT		1567	PSDTX118M4
		1086		CATALYST WASH POT		6141A	PSDTX118M4
	5	1100		CATALYST UNIT FLARE		6361 <i>106.261/11/01/2003 [145327]</i> <i>106.262/11/01/2003 [145327]</i>	PSDTX118M4
		1127		G-2 BLENDER BLOW TANK FILTER		1567	PSDTX118M4
		1128		G-4 BLENDER BLOW TANK FILTER		1567	PSDTX118M4
		1130		ME DRUM LINER WASHING		6361	PSDTX118M4
		1130A		NO. 5 ACTIVATOR VENT FILTER		1567 <i>106.261/11/01/2003 [114503]</i> <i>106.262/11/01/2003 [114503]</i>	PSDTX118M4
		1131A		NO. 5 ACTIVATOR BLOW TANK VENT FILTER		1567 <i>106.261/11/01/2003 [114503]</i> <i>106.262/11/01/2003 [114503]</i>	PSDTX118M4
		1132A		NO. 5 ACTIVATOR RECEIVER TANK VENT FILTER		1567 <i>106.261/11/01/2003 [114503]</i> <i>106.262/11/01/2003 [114503]</i>	PSDTX118M4
		1143D		CONTAINER LOADING FILTER		6361	PSDTX118M4
		1152A		PRODUCT CONTAINER VENT		1567	PSDTX118M4
		1152B		PRODUCT CONTAINER VENT		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

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
		1161		SILICA DEHYDRATOR		6361 <del>106.262/03/14/1997</del> 106.261/11/01/2003 [114503] 106.262/11/01/2003 [114503]	PSDTX118M4
		1301		NO. 6 ACTIVATOR ACID K.O. POT VENT		106.261/11/01/2003 106.262/11/01/2003	
		1302		NO. 6 ACTIVATOR BLOW TANK VENT FILTER		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	
		1303		NO. 6 ACTIVATOR RECEIVER TANK FILTER		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	
		1304		G8 BLENDER BLOW TANK VENT FILTER		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	
		1306		CATALYST STORAGE BIN VENT FILTER (CY-4740)		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	
		1307		CATALYST STORAGE BIN VENT FILTER (CY-4741)		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	
		1308		CATALYST LOADING BIN VENT FILTER (CY-4742)		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	
		1309		PRODUCT CYLINDER VENT FILTER (CY-4743)		106.261/11/01/2003 106.262/11/01/2003 106.261/11/01/2003 [145327] 106.262/11/01/2003 [145327]	

	5	1350		PRODIGY FLARE		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		1351		SILICA SEAL POT		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

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
		205		UNIT MAKE BIN 857		3639	PSDTX118M4
		206		UNIT MAKE BIN 858		3639	PSDTX118M4
		230		G-5 BLENDER BLOW TANK FILTER		6361 <i>106.261/11/01/2003 [114503] 106.262/11/01/2003 [114503]</i>	PSDTX118M4
		232		CATALYST BINS 16-20 FILTER		6361	PSDTX118M4
		234		BLOCK 25 SILO 101 BAGHOUSE		1567	PSDTX118M4
		235		BLOCK 25 SILO 102 BAGHOUSE		1567	PSDTX118M4
		236		BLOCK 25 SILO 103 BAGHOUSE		1567	PSDTX118M4
		237		BLOCK 25 SILO 104 BAGHOUSE		1567	PSDTX118M4
		238		BLOCK 25 SILO 105 BAGHOUSE		1567	PSDTX118M4
		239		BLOCK 25 SILO 106 BAGHOUSE		1567	PSDTX118M4
		240		BLOCK 25 SILO 107 BAGHOUSE		1567	PSDTX118M4
		241		BLOCK 25 SILO 201 BAGHOUSE		1567	PSDTX118M4
		242		BLOCK 25 SILO 202 BAGHOUSE		1567	PSDTX118M4
		243		BLOCK 25 SILO 203 BAGHOUSE		1567	PSDTX118M4
		244		BLOCK 25 204 BAGHOUSE		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

TCEQ-10344 (APDG 5767v7, revised 05/20) OP-SUMR  
This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

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
		245		BLOCK 25 Y-SYSTEM BAGHOUSE		1567	PSDTX118M4
	5	246		LARGE FLARE		1567 3639 6141A 6361 18773 <i>106.261/11/01/2003 [114503]</i> <i>106.262/11/01/2003 [114503]</i> <i>106.261/11/01/2003 [169034]</i> <i>106.262/11/01/2003 [169034]</i>	PSDTX118M4
		248		G5 SEAL SOIL SYSTEM VENT		1567	PSDTX118M4
		2910		STORAGE TANK 2910		18773	PSDTX118M4
		2911		STORAGE TANK 2911		18773	PSDTX118M4
		351		G1750 SEAL OIL SYSTEM VENT		3639	PSDTX118M4
		387		SILO 401 BAGHOUSE		1567	PSDTX118M4
		388		SILO 402 BAGHOUSE		1567	PSDTX118M4
		389		SILO 403 BAGHOUSE		1567	PSDTX118M4
		390		SILO 404 BAGHOUSE		1567	PSDTX118M4
		391		SILO 405 BAGHOUSE		1567	PSDTX118M4
		392		SILO 406 BAGHOUSE		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

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
		LP1RCIC5TK		CRUDE ISOPENTANE TANK		82/04/05/1995	
		LP1RIC5DT		ISOPENTANE DUMP TANK #1		1567	PSDTX118M4
		LP1RRC5TK		REFINED ISOPENTANE TANK		82/04/05/1995	
		LP1RRC6TK		RINED HEXENE TANK #2		1567	PSDTX118M4
		LP1RRICATK		HEXANE TANK		18773	PSDTX118M4
		LP1RTFT2TK		CO-CATAYLST TANK #2		6361	PSDTX118M4
	6, 7	LPPEFUG		APPLICATION AREA FUGITIVES		1567 3639 6141A 6361 18773	PSDTX118M4
		MAOUL		MAO CYLINDER/ISOTAINER UNLOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		PRECLOAD		PRECURSOR WASTE LOADING		6361	PSDTX118M4
	3	PROCATB		CATALYST FACILITIES – BATCH		1567 6141A 6361 18773 <b>106.263/11/01/2001</b>	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

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
	3	<u>PROCATC</u>		CATALYST FACILITIES – CONTINUOUS		1567 6141A 6361 18773 <i>106.263/11/01/2001</i>	PSDTX118M4
	6, 7	PRODFUG		PRODIGY AREA FUGITIVES		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
	3	PROFINSHG1		FINISHING SECTION: LP-2 G1		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROFINSHG2		FINISHING SECTION: LP-2 G2		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROFINSHG3		FINISHING SECTION: LP-2 G3		18773 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROLP1R		LP-1 REACTION FACILITIES		1567 3639 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROMATRCV		RECOVERY SECTION: LP-2 G1/G2		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROMATRVG1		RECOVERY SECTION: LP-2 G1		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROMATRVG2		RECOVERY SECTION: LP-2 G2		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROREACTG1		REACTION SECTION: LP-2 G1		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROREACTG2		REACTION SECTION: LP-2 G2		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROREACTG3		REACTION SECTION: LP-2 G3		18773 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PRORMC21-1		LP1ETHYLENE PREP. SECT. NO. 1		1567 <i>106.263/11/01/2001</i>	PSDTX118M4

### Federal Operating Permit Program

**Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
March 3, 2026	O2032	RN102181526

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
	3	PRORMC22-2		LP2 ETHYLENE PREP. SECT. NO. 2 AT LP-2		1567 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PRORMC4		PREPARATION SECTION: BUTENE		1567 6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PRORMC5		PREPARATION SECTION: ISOPENTANE		1567 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PRORMHEXA		PREPARATION SECTION: HEXANE		18773 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PRORMHEXE		PREPARATION SECTION: HEXENE		1567 <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROSTOREG1		STORAGE SECTION: LP-2 G1		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROSTOREG2		STORAGE SECTION: LP-2 G2		6141A <i>106.263/11/01/2001</i>	PSDTX118M4
	3	PROSTOREG3		STORAGE SECTION: LP-2 G3		18773 <i>106.263/11/01/2001</i>	PSDTX118M4
		TOLUENELD		SPENT TOLUENE LOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		TOLUENEUL		TOLUENE CYLINDER UNLOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
D	4	<del>VNT1100</del>	<del>OP-UA15</del>	<del>VENT HEADER FOR FLARE 1100</del>		6361	<del>PSDTX118M4</del>
D	4	<del>VNT1350</del>	<del>OP-UA15</del>	<del>VENT HEADER FOR PRODIGY FLARE 1350</del>		<del>106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]</del>	

TCEQ-10344 (APDG 5767v7, revised 05/20) OP-SUMR  
This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

**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
March 3, 2026	O2032	RN102181526

Unit ID No.	Registration No.	PBR No.	Registration Date
1140, 1008, 1010, 1161, 229, 230, 246 1130A, 1131A, 1132A, 1085D, 1081D	114503	106.261, 106.262	12/02/2013 06/03/2022
246	169034	106.261, 106.262	06/08/2022
2301, 2302, 2303, 2304, 1100, 1305 1301, 1302, 1303, 1304, 1306, 1307, 1308, 1309	145327	106.261, 106.262	03/30/2017 02/23/2024
<b><i>1350, 1351, 1352, C-4501, ISOPARUL, MAOUL, PRODFUG, TOLUENELD, TOLUENEUL</i></b>	<b><i>159156</i></b>	<b><i>106.261, 106.262</i></b>	<b><i>01/08/2020</i></b>
<b><i>G3 Seed Bed Vent</i></b>	<b><i>154933</i></b>	<b><i>106.262</i></b>	<b><i>02/19/2019</i></b>

**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
March 3, 2026	O2032	RN102181526

Unit ID No.	PBR No.	Version No./Date
<i>PROCATB, PROCATC, PROFINSHG1,            PROFINSHG2, PROFINSHG3, PROLP1R,            PROMATRCV, PROMATRVG1, PROMATRVG2,            PROREACTG1, PROREACTG2, PROREACTG3,            PRORMC21-1, PRORMC22-2, PRORMC4, PRORMC5,            PRORMHEXA, PRORMHEXE, PROSTOREG1,            PROSTOREG2, PROSTOREG3</i>	<i>PBR 106.263</i>	<i>11/01/2001</i>
<i>Bldg. 332 and 347</i>	34	09/12/1989
<i>LP1RCIC5TK, LP1RRC5TK</i>	82	04/05/1995

**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
March 3, 2026	O2032	RN102181526

PBR No.	Version No./Date
N/A	N/A

**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
March 3, 2026	O2032	RN102181526

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
1140, 1008, 1010, 1161, 229, 230, 246, 1130A, 1131A, 1132A, 1085D, 1081D	PBR 106.261 PBR 106.262	11/01/2003 11/01/2003	The plant will monitor production for equipment (lbs./yr).
246	PBR 106.261 PBR 106.262	11/01/2003 11/01/2003	The plant will monitor production for equipment (lbs./yr).
2301, 2302, 2303, 2304, 1100, 1305 1301, 1302, 1303, 1304, 1306, 1307, 1308, 1309	PBR 106.261 PBR 106.262	11/01/2003 11/01/2003	The plant will monitor production for equipment (lbs./yr).
<i>PROCATB, PROCATC, PROFINSHG1, PROFINSHG2, PROFINSHG3, PROLP1R, PROMATRCV, PROMATRVG1, PROMATRVG2, PROREACTG1, PROREACTG2, PROREACTG3, PRORMC21-1, PRORMC22-2, PRORMC4, PRORMC5, PRORMHEXA, PRORMHEXE, PROSTOREG1, PROSTOREG2, PROSTOREG3</i>	<i>106.263</i>	<i>11/01/2001</i>	<i>Emissions associated with maintenance activities is tracked.</i>
<i>Bldg. 332 and 347</i>	<i>34</i>	<i>09/12/1989</i>	<i>The buildings continue to be used exclusively for chemical and physical analyses.</i>
<i>LP1RCIC5TK, LP1RRC5TK</i>	<i>82</i>	<i>04/05/1995</i>	<i>The plant will monitor the flare to confirm no visible emissions.</i>
<i>G3 Reactor Seed Bed</i>	<i>154933</i>	<i>106.262</i>	<i>The plant will monitor throughput for equipment (lbs./yr).</i>
<i>1350, 1351, 1352, C-4501, ISOPARUL, MAOUL, PRODFUG, TOLUENELD, TOLUENEUL</i>	<i>PBR 106.261 PBR 106.262</i>	<i>11/01/2001</i>	<i>The plant will monitor production for equipment (lbs./yr).</i>

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

Date:	March 3, 2026
Permit No.:	O2032
RN No.:	RN102181526

*For SOP applications, answer ALL questions unless otherwise directed.*

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

<b>Form OP-REQ1: Page 87</b>			
<b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>			
<b>E. PSD Permits and PSD Major Pollutants</b>			
PSD Permit No.: PSDTX118M4	Issuance Date: <del>02/11/2004</del> 10/17/2025	Pollutant(s): CO, NOx, VOC	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
<i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>			
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):	
<i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>			
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:
<b>◆ 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</b>			
Authorization No.: 1567	Issuance Date: 05/03/2024	Authorization No.: 6141A	Issuance Date: 10/05/2023
Authorization No.: 18773	Issuance Date: <del>06/09/2015</del> 10/17/2025	Authorization No.: 6361	Issuance Date: 05/03/2024
Authorization No.: 3639	Issuance Date: 05/03/2024	Authorization No.: 78664	Issuance Date: 08/06/2024
Authorization No.: 147336	Issuance Date: 07/25/2017	Authorization No.: 168899	Issuance Date: 05/11/2022

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

Date:	March 3, 2026
Permit No.:	O2032
RN No.:	RN102181526

*For SOP applications, answer ALL questions unless otherwise directed.*

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

Authorization No.: 168900	Issuance Date: 05/09/2022	Authorization No.:	Issuance Date:
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**Texas Commission on Environmental Quality**  
**Application Area-Wide Applicability Determinations and General Information**  
**Form OP-REQ1**  
**Federal Operating Permit Program**

Date:	March 3, 2026
Permit No.:	O2032
RN No.:	RN102181526

*For SOP applications, answer ALL questions unless otherwise directed.*

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

<b>Form OP-REQ1: Page 88</b>	
<b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>	
◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR No.: <del>106.261</del>	Version No./Date: <del>09/04/2000</del>
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: <del>106.262</del>	Version No./Date: <del>03/14/1997</del>
PBR No.: <del>106.262</del>	Version No./Date: <del>12/24/1998</del>
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 34	Version No./Date: 08/11/1989
PBR No.: 82	Version No./Date: 04/05/1995
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

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Good afternoon, Shawn:

Your request for an extension is granted. Now the response is due on 3/3/2026.

Sincerely,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality**

**OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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---

**From:** Pena, Shawn (S) <[Shawn.Pena@Dow.com](mailto:Shawn.Pena@Dow.com)>

**Sent:** Thursday, February 19, 2026 12:10 PM

**To:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>

**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 2/20/2026

Tusar,

I am working on the requested response and would like to request a brief extension to allow time to review the information with a colleague next week.

I am requesting an extension to 03/03/26. This additional time will allow me to complete the review and provide a response, as well as support the completion of several other regulatory reports that are due next week. Thank you for your consideration.

Regards,

Shawn Pena

Environmental Specialist

(361) 553-3401

---

General Business

**From:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>

**Sent:** Monday, February 9, 2026 11:32 AM

To: Pena, Shawn (S) <[Shawn.Pena@Dow.com](mailto:Shawn.Pena@Dow.com)>

Subject: RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Respond by 2/20/2026

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Shawn:

Apologies for the delay. Please see attached the updated draft. All your earlier comments June 23<sup>rd</sup>, 2025, and later are addressed. Please note that the manual citations are reviewed and approved by our Tech Specialist. I reviewed the OP-PBRSUP/OP-SUMR dated 08/08/2024 and found following issues which needs to be corrected.

Please note that all information provided in OP-PBRSUP needs to be consistent with information provided in OP-SUMR and OP-REQ1 (page 89, Section XII.I). There are multiple Unit IDs in OP-PBRSUP (1161, 230, 246, 1130, 246, 1100, 1302, 1303, 1304, 1306, 1307, 1308, 1309) which are associated with a PBR Registration number, but the registration numbers are not represented in OP-SUMR. It should be represented in the correct format 106.XXX/MM/DD/YYYY[rrrr]. Since it has been a while it may be good idea to have a fresh look at these forms (OP-PBRSUP, OP-SUMR, OP-REQ1 section XII.I) and update as necessary and resubmit.

Also noted in OP-PBRSUP that 106.263/11/01/2001 is missing. Also Standard Exemptions 34/09/12/1989 (the effective date 8/11/1989 is incorrect), 82/04/05/1995 (LP1RCIC5TK, LP1RRC5TK) needs to be addressed.

Please send me the requested information by 2/20/2026 and help me to finalize the draft and move the project forward. A quick acknowledgement to this email will be very much appreciated.

Sincerely,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality**

**OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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**Sent:** Monday, July 7, 2025 5:38 PM  
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**Subject:** FW: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Response by 6/16/2025

Tusar,

Please see the revised attached Page 3 from OP-REQ1.

Questions E1 and E2 on Page 3 were revised to indicate that outdoor burning for fire-training will be conducted by the plant.

This revision addresses a request from the plant to conduct fire-training and UCC requests to add this citation during this O2032 renewal.

Please let me know if you have any questions.

Regards,  
Shawn Pena  
Environmental Specialist

General Business

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Below are some additional comments:

**Application Area-Wide Applicability Determinations and General Information**  
**Form OP-REQ1 (Page 3)**  
**Federal Operating Permit Program**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 7, 2025	O2032	RN102181526

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<b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)</b>		
<b>C. Emissions Limits on Nonagricultural Processes (continued)</b>		
4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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◆ 4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Subchapter C, § ~~113.890~~113.880 which incorporates the 40 CFR Part 63 Subpart by reference.

**Commented [SP1]:** Should this reference 30 TAC 113.880?

F. Emission units subject to 40 CFR Part 63, Subpart FFFF as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § ~~113.880~~113.890 which incorporates the 40 CFR Part 63 Subpart by reference.

**Commented [SP2]:** Should this reference 30 TAC 113.890?

G. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 101.372 (relating to General Provisions)
- (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
- (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
- (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
- (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
- B. Title 30 TAC § 101.3 (relating to Circumvention)
- C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
- D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
- E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
- F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
- G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
- H. Title 30 TAC § 101.221 (relating to Operational Requirements)
- I. Title 30 TAC § 101.222 (relating to Demonstrations)
- J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### New Source Review Authorization Requirements

14. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated August 8, 2024 in the application for project 37006), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

~~15. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:~~

- A. Are incorporated by reference into this permit as applicable requirements
- B. Shall be located with this operating permit
- C. Are not eligible for a permit shield

~~16-15.~~ The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

~~17-16.~~ The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

~~18-17.~~ The permit holder shall comply with the following requirements for Air Quality Standard Permits:

- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
- B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

Commented [SP3]: Is this part of condition 15 replaced by condition 14?

- 1) Please update the 40 CFR Part 63, Subpart FFFF Citations as requested in Revision #3 in the renewal application dated August 8, 2024.
- 2) Please add 30 TAC Chapter 115 and 40 CFR Part 63, Subpart FFFF applicability and citations as requested in Revision #5 in the renewal application dated August 8, 2024.
- 3) Please update the 40 CFR Part 63, Subpart FFFF Citations as requested in Revision #6 in the renewal application dated August 8, 2024.
- 4) Please add 40 CFR Part 63, Subpart H Citations as requested in Revision #7 in the renewal application dated August 8, 2024.
- 5) Please add Unit IDs as requested in Revision #8 in the renewal application dated August 8, 2024.

Please let me know if you have any questions or concerns.

Regards,  
Shawn Pena  
Environmental Specialist  
361-553-3401

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**From:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Sent:** Monday, June 16, 2025 5:44 PM  
**To:** Pena, Shawn (S) <[shawn.pena@dow.com](mailto:shawn.pena@dow.com)>  
**Subject:** RE: Working Draft Permit -- FOP O2032/Project 37006, Union Carbide Corporation/Seadrift Operations - Response by 6/16/2025

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Shawn:  
June 23, 2025 will work for us. Thank you.

*Tusar Swami, P.E.*  
**Texas Commission on Environmental Quality**  
**OA/APD/Operating Permits Section**  
12100 Park 35 Circle, Bldg. C, Austin, TX 78753  
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Tusar,

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Would it be possible to extend the deadline until June 23, 2025?

Thank you for your understanding and consideration.

Best regards,  
Shawn Pena  
Environmental Specialist

General Business

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**From:** Tusar Swami <[tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)>  
**Sent:** Thursday, May 29, 2025 2:19 PM  
**To:** Pena, Shawn (S) <[shawn.pena@dow.com](mailto:shawn.pena@dow.com)>  
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Please review the WDP and submit to me any comments you have on the working draft permit by **June 16, 2025**.

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\\_facsheet.pdf](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_facsheet.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](mailto: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](#).**

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OA/APD/Operating Permits Section**

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**Attachments:** OP-REQ1 Page 3.pdf

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**OA/APD/Operating Permits Section**  
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Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087  
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Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)

**Application Area-Wide Applicability Determinations and General Information**  
**Form OP-REQ1 (Page 3)**  
**Federal Operating Permit Program**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 7, 2025	O2032	RN102181526

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<b>C. Emissions Limits on Nonagricultural Processes (continued)</b>		
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8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.8 is "No," go to Section I.D.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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**From:** Pena, Shawn (S) <shawn.pena@dow.com>  
**Sent:** Friday, September 20, 2024 2:45 PM  
**To:** Tusar Swami  
**Subject:** RE: FOP O2032/Project 37006, Respond by 9/20.  
**Attachments:** 1567\_MNSRST\_Updated.docx; 3639\_MNSRST\_Updated.docx;  
6141A\_MNSRST\_Updated.docx; 6361\_MNSRST\_Updated.docx

Tusar,

Attached are updated copies of the Major NSR Summary Tables.

Please let me know if you have any questions.

Regards,  
Shawn Pena  
Environmental Specialist  
(361) 553-3401

General Business

---

**From:** Tusar Swami  
**Sent:** Friday, August 30, 2024 4:29 PM  
**To:** Pena, Shawn (S)  
**Subject:** RE: FOP O2032/Project 37006, Union Carbide Corporation/UCC Seadrift Operations - Respond by 9/20.

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Shawn:

Good Afternoon. Please see attached. I have started working on the project. For the working draft we need to update many of the Major NSR Summary Table as the effective dates have changed. The attached Major NSR Summary Tables are based on the latest MAERT table. You need to fill in the right 3 columns without changing anything on the left side. **Please respond by 9/20 or earlier.** Thank you and have a good long weekend.

Sincerely,  
Tusar Swami, P.E.  
**Texas Commission on Environmental Quality**  
**OA/APD/Operating Permits Section**  
12100 Park 35 Circle, Bldg. C, Austin, TX 78753  
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087  
Phone: 512/239-1581 Fax: 512/239-1400  
Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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**From:** Tusar Swami

**Sent:** Friday, August 23, 2024 1:14 PM

**To:** [shawn.pena@dow.com](mailto:shawn.pena@dow.com)

**Subject:** Technical Review -- FOP O2032/Project 37006, Union Carbide Corporation/UCC Seadrift Operations

Shawn:

Good Afternoon. I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O2032/Project 37006, Union Carbide Corporation/UCC Seadrift Operations. This application has been assigned Project No. 37006. 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](mailto: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](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,

Tusar Swami, P.E.

**Texas Commission on Environmental Quality**

**OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

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**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
436	Liquid Catalyst Storage Tank, Routine Operations	VOC (6)	106.96	3.42		5, 13	
436	Liquid Catalyst Storage Tank, Maintenance, Startup, and Shutdown Activities	VOC (6)	1.32	0.01		10	
436F	Fugitives from Liquid Catalyst Tank (5)	VOC (6)	0.49	2.14	11	11	
467	Catalyst Bin 21	PM Catalyst Dust (7)	0.12	0.01	2	13	
		PM <sub>10</sub> Catalyst Dust (7)	0.12	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.12	0.01			
468	Catalyst Bin 22	PM Catalyst Dust (7)	0.12	0.01	2	13	
		PM <sub>10</sub> Catalyst Dust (7)	0.12	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.12	0.01			
		VOC	0.04	0.14			
469	Catalyst Bin 23	PM Catalyst Dust (7)	0.24	0.02	2	13	
		PM <sub>10</sub> Catalyst Dust (7)	0.24	0.02			

**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub> Catalyst Dust (7)	0.24	0.02			
		VOC	0.04	0.14			
470	Catalyst Bin 24	PM Catalyst Dust (7)	0.24	0.02	2	13	
		PM <sub>10</sub> Catalyst Dust (7)	0.24	0.02			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.24	0.02			
		VOC	0.04	0.14			
1008	Catalyst Bin 32 Loading	PM Catalyst Dust (7)	0.34	0.05	2	13	
		PM <sub>10</sub> Catalyst Dust (7)	0.34	0.05			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.34	0.05			
1010	Catalyst Cylinder Loading	PM Catalyst Dust (7)	0.14	0.03	2	13	
		PM <sub>10</sub> Catalyst Dust (7)	0.14	0.03			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.14	0.03			
1100	Catalyst Unit Flare	VOC, other	45.33	9.50	7	7, 13	
		Toluene	0.01	0.01			

**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Chlorobenzene	3.17	0.60			
		Aliphatic Alcohol or Glycol Ethers	0.01	0.01			
		n-Hexanol	0.09	0.01			
		o-Cresol	0.01	0.01			
		NO <sub>x</sub>	18.16	9.96			
		CO	155.72	85.40			
		HCl	51.48	9.70			
		SO <sub>2</sub>	0.63	0.45			
1140	Fugitives (5) (8)	VOC, other	1.67	7.23	11	11, 13	
		Toluene	0.01	0.01			
		Chlorobenzene	0.86	3.72			
		Titanium Tetrachloride	0.10	0.42			
		Aliphatic Alcohol or Glycol Ethers	0.18	0.77			
		o-Cresol	0.11	0.45			
		HCl	0.01	0.04			
		Ethylene Glycol	0.03	0.12			

### Major NSR Summary Table

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
1143	Cylinder Loading Filter	PM	0.01	0.01	2	13	
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		Isopentane	0.08	0.02			
		Chlorobenzene	0.02	0.01			
1144	Truck Loading Fugitives (5)	VOC, other	1.93	0.05	11	11, 13	
		Toluene	0.01	0.01			
		Chlorobenzene	0.04	0.01			
		Titanium Tetrachloride	0.01	0.01			
		Aliphatic Alcohol or Glycol Ethers	0.01	0.01			
		o-Cresol	0.01	0.01			
1145	Additive Dump Hopper Filter	PM	0.01	0.01	2	13	
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
1146	Additive Receiver Filter	PM	0.01	0.05	2	13	
		PM <sub>10</sub>	0.01	0.05			

**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.01	0.05			
226	Silica Preheater	PM Catalyst Dust (7)	0.10	0.02	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.10	0.02			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.10	0.02			
227	No. 1 Activator	PM Catalyst Dust (7)	0.01	0.01	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.01	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.01	0.01			
		VOC	7.23	0.99			
		NH <sub>3</sub>	0.30	0.04			
228	No. 1 Activator Blow Tank	PM Catalyst Dust (7)	0.04	0.01	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.04	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.04	0.01			
229	Filter Bins 1 through 5	PM Catalyst Dust (7)	0.14	0.06	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.14	0.06			

### Major NSR Summary Table

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub> Catalyst Dust (7)	0.14	0.06			
230	G-5 Blender Blow Tank	PM Catalyst Dust (7)	0.12	0.02	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.12	0.02			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.12	0.02			
		VOC	0.02	0.07			
231	Filter Bins 11 through 15	PM Catalyst Dust (7)	0.09	0.01	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.09	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.09	0.01			
232	Filter Bins 16 through 20	PM Catalyst Dust (7)	0.13	0.02	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.13	0.02			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.13	0.02			
		VOC	0.10	0.02			
766-3A	G-Mix Fugitives (5)	VOC	1.00	0.57	12	12	

**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
703	Catalyst Preparation Fugitives (5)	VOC	0.09	0.42	11	11	
772	No. 3 Activator	PM Catalyst Dust (7)	0.03	0.01	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.03	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.03	0.01			
		VOC	15.80	2.38			
773	No. 3 Activator Blow Tank	PM Catalyst Dust (7)	0.02	0.01	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.02	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.02	0.01			
246	Large Poly Flare (9)	VOC	40.51	33.48	7	7	
		NO <sub>x</sub>	2.74	2.20			
		CO	13.97	11.22			
		NH <sub>3</sub>	0.02	0.01			
		Titanium Tetrachloride	0.01	0.01			
1161	Silica Dehydrator	PM	0.01	0.02	2		

**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>10</sub>	0.01	0.02			
		PM <sub>2.5</sub>	0.01	0.02			
		VOC	0.33	0.10			
1130	ME Drum Liner Washing	VOC	2.67	1.98		10	
1055	Silica 958 Bin Filter	SiO <sub>2</sub> Dust (7)	0.01	0.01	2		
533	Catalyst Loading Filter	SiO <sub>2</sub> Dust	0.01	0.01	2		
532	Precursor Fugitives Existing	VOC	0.44	1.95	11	11	
534H	Bin 53056 Filter	PM Catalyst Dust (7)	0.01	0.05	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.01	0.05			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.01	0.05			
536H	Precursor Unit Blowtank	PM Catalyst Dust (7)	0.01	0.05	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.01	0.05			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.01	0.05			
		VOC	0.01	0.01			
537H	Bin C5392	PM Catalyst Dust (7)	0.01	0.05	2		

**Major NSR Summary Table**

Permit Numbers 6361 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>10</sub> Catalyst Dust (7)	0.01	0.05			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.01	0.05			
		Chromium	0.01	0.01			
538H	Bin 5388	PM Catalyst Dust (7)	0.01	0.05	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.01	0.05			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.01	0.05			
1243	MgCl <sub>2</sub> Charge Pot	MgCl <sub>2</sub>	0.26	0.05			
1244	TiCl <sub>3</sub> Charge Pot	TiCl <sub>3</sub>	0.19	0.03			
1055H	Bin C5350	PM Catalyst Dust (7)	0.01	0.01	2		
		PM <sub>10</sub> Catalyst Dust (7)	0.01	0.01			
		PM <sub>2.5</sub> Catalyst Dust (7)	0.01	0.01			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10

IOC-U	- inorganic compounds (unspeciated)
NO <sub>x</sub> -	total oxides of nitrogen
SO <sub>2</sub> -	sulfur dioxide
PM -	total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter
CO -	carbon monoxide
HAP	- hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HCl	hydrogen chloride
NH <sub>3</sub>	ammonia
SiO <sub>2</sub>	silicon dioxide
TiCl <sub>3</sub>	titanium(III) chloride
MgCl <sub>2</sub>	magnesium chloride

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) The VOC as Isopentane.
- (7) Catalyst dust is particulate matter which contains as much as 100 weight percent amorphous silica and not more than 1.00 weight percent hexavalent chromium.
- (8) The 0.24 ton per year (TPY) VOC, 0.46 TPY chlorobenzene, and 0.07 TPY of Cresol are authorized through Permits by Rule (PBR) Registration Numbers 42461, 51164, and 49720. These PBRs have not been voided.
- (9) SO<sub>2</sub> emissions from the combustion of supplemental natural gas are authorized under NSR Permit No. 1567.

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
246	Large Flare	NOx	24.11	3.67	3, 5, 9, 10, 19, 21	3, 6, 5, 9, 10, 19, 24	3, 5, 26
		CO	122.85	18.70			
		VOC	215.40	37.13			
		Al <sub>2</sub> O <sub>3</sub>	2.28	0.10			
246	Large Flare, Startup, Shutdown, and Maintenance	NOx	70.84	1.30	3, 9, 10	3, 9, 10, 24	3, 26
		CO	360.95	6.61			
		VOC	792.88	14.59			
479	No. 2 Silica Activator	PM	0.01	0.01	15	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
480	No. 2 Silica Activator Blow Tank	PM	0.01	0.01	15	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
481	Silica Bin 6	PM	0.01	-	15	16	16
		PM <sub>10</sub>	0.01	-			
		PM <sub>2.5</sub>	0.01	-			
482	Silica Bin 7	PM	0.01	-	15	16	16

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>10</sub>	0.01	-			
		PM <sub>2.5</sub>	0.01	-			
481, 482	Annual Emissions Cap	PM	-	0.01	15	16	16
		PM <sub>10</sub>	-	0.01			
		PM <sub>2.5</sub>	-	0.01			
483	G-3 Blender Blow Tank	PM	0.01	0.01	15, 21	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.57	0.14			
484	Catalyst Bin 25	PM	0.01	-	15, 21	16	16
		PM <sub>10</sub>	0.01	-			
		PM <sub>2.5</sub>	0.01	-			
		VOC	0.04	0.01			
485	Catalyst Bin 26	PM	0.01	-	15, 21	16	16
		PM <sub>10</sub>	0.01	-			
		PM <sub>2.5</sub>	0.01	-			
		VOC	0.04	0.01			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
486	Catalyst Bin 27	PM	0.01	-	15	16	16
		PM <sub>10</sub>	0.01	-			
		PM <sub>2.5</sub>	0.01	-			
487	Catalyst Bin 28	PM	0.01	-	15	16	16
		PM <sub>10</sub>	0.01	-			
		PM <sub>2.5</sub>	0.01	-			
484, 485, 486, 487	Annual Emissions Cap	PM	-	0.01	15	16	16
		PM <sub>10</sub>	-	0.01			
		PM <sub>2.5</sub>	-	0.01			
488	Middle Catalyst Blow Tank	PM	0.02	-	15, 21	16	16
		PM <sub>10</sub>	0.02	-			
		PM <sub>2.5</sub>	0.02	-			
		VOC	0.59	0.15			
489	North Catalyst Blow Tank	PM	0.02	-	15, 21	16	16
		PM <sub>10</sub>	0.02	-			
		PM <sub>2.5</sub>	0.02	-			
		VOC	2.78	0.52			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
490	South Catalyst Blow Tank	PM	0.02	-	15, 21	16	16
		PM <sub>10</sub>	0.02	-			
		PM <sub>2.5</sub>	0.02	-			
		VOC	0.59	0.15			
771	Catalyst Blow Tank	PM	0.02	-	15, 21	16	16
		PM <sub>10</sub>	0.02	-			
		PM <sub>2.5</sub>	0.02	-			
		VOC	0.59	0.15			
488, 489, 490, 771	Annual Emissions Cap	PM	-	0.02	15	16	16
		PM <sub>10</sub>	-	0.02			
		PM <sub>2.5</sub>	-	0.02			
491	G-1 North Catalyst Feeder	PM	0.01	0.01	15, 21	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	1.02	1.93			
492	G-1 South Catalyst Feeder	PM	0.01	0.01	15, 21	16	16
		PM <sub>10</sub>	0.01	0.01			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	1.02	1.93			
493	G-2 North Catalyst Feeder	PM	0.01	0.01	15, 21	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.82	1.78			
494	G-2 South Catalyst Feeder	PM	0.01	0.01	15, 21	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.82	1.78			
495	G-1 Seal Vent System	VOC	0.20	0.88			
496	G-2 Seal System Vent	VOC	0.20	0.88			
497	G-1 Seed Bed Vent	PM	4.38	0.25	15	7	
		PM <sub>10</sub>	4.38	0.25			
		PM <sub>2.5</sub>	4.38	0.25			
<b>Combined Allowables - Entry No. 1</b>							

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
504, 505, 506, 591, 594, and 1052	Resin Bin 101, Resin Bin 102, Resin Bin 103, P-1 Feed Hopper, Pellet Dryer Vent, and No. 1 Make Baghouse	VOC	14.48	15.72	21, 22	24	26
<b>Combined Allowables - Entry No. 2</b>							
507, 508, 509, 1053, 1053A	Resin Bin 201, Resin Bin 202, Resin Bin 203, No. 2 Make Baghouse, and G-2 Conveying System	VOC	12.14	10.16	21, 22	24	26
502	No. 1 Trim Vent	PM	0.10	0.01	15	16	16
		PM <sub>10</sub>	0.10	0.01			
		PM <sub>2.5</sub>	0.10	0.01			
503	No. 2 Trim Vent	PM	0.10	0.04	15	16	16
		PM <sub>10</sub>	0.10	0.04			
		PM <sub>2.5</sub>	0.10	0.04			
504, 505, 506	Resin Bin No. 101, 102, and 103	PM	0.13	0.50	15	16	16
		PM <sub>10</sub>	0.13	0.50			
		PM <sub>2.5</sub>	0.13	0.50			
		VOC (6)	-	-			
507, 508, 509		PM	0.10	0.41	15	16	16

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Resin Bin No. 201, 202, and 203	PM <sub>10</sub>	0.10	0.41			
		PM <sub>2.5</sub>	0.10	0.41			
		VOC (7)	-	-			
510	No. 1 Transfer Conveyor Separator	PM	0.20	-	15	16	16
		PM <sub>10</sub>	0.20	-			
		PM <sub>2.5</sub>	0.20	-			
511	No. 2 Transfer Conveyor Separator	PM	0.20	-	15	16	16
		PM <sub>10</sub>	0.20	-			
		PM <sub>2.5</sub>	0.20	-			
768	Dedicated Transfer System	PM	0.20	-	15	16	16
		PM <sub>10</sub>	0.20	-			
		PM <sub>2.5</sub>	0.20	-			
510, 511, and 768	Annual Emissions Cap	PM	-	1.04	15	16	16
		PM <sub>10</sub>	-	1.04			
		PM <sub>2.5</sub>	-	1.04			
512	No. 1 Loading Conveyor Separator	PM	0.20	-	15	16	16
		PM <sub>10</sub>	0.20	-			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.20	-			
513	No. 2 Loading Conveyor Separator	PM	0.15	-	15	16	16
		PM <sub>10</sub>	0.15	-			
		PM <sub>2.5</sub>	0.15	-			
512 and 513	Annual Emissions Cap	PM	-	0.53	15	16	16
		PM <sub>10</sub>	-	0.53			
		PM <sub>2.5</sub>	-	0.53			
514	Loading Additive Transfer System	PM	0.14	0.02	15	16	16
		PM <sub>10</sub>	0.14	0.02			
		PM <sub>2.5</sub>	0.14	0.02			
516	No. 2 Loading Additive Hopper	PM	0.01	0.04	15	16	16
		PM <sub>10</sub>	0.01	0.04			
		PM <sub>2.5</sub>	0.01	0.04			
521	G-2 Seed Bed Vent	PM	4.38	0.25	15	7	
		PM <sub>10</sub>	4.38	0.25			
		PM <sub>2.5</sub>	4.38	0.25			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
522	Unit Fugitives Block 26 (5)	VOC	7.17	30.01	3, 12, 21, 22	3, 12, 24	3
523	Analyzer Vents	VOC	0.20	0.88			
524	Pelleted Master Batch Baghouse	PM	0.02	0.01	13, 14, 15	14, 16	14, 16
		PM <sub>10</sub>	0.02	0.01			
		PM <sub>2.5</sub>	0.02	0.01			
590	P-1 Trim Bin Filter	PM	0.08	0.05	15	16	16
		PM <sub>10</sub>	0.08	0.05			
		PM <sub>2.5</sub>	0.08	0.05			
591	P-1 Feed Hopper Filter	PM	0.01	0.05	15, 21, 22	16, 24	16
		PM <sub>10</sub>	0.01	0.05			
		PM <sub>2.5</sub>	0.01	0.05			
		VOC (6)	-	-			
592	P-1 Additive (Granular) Filter	PM	0.01	0.01	15	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
592FF	P-1 Feeder Filter B	PM	0.13	0.05	15	16	16

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>10</sub>	0.13	0.05			
		PM <sub>2.5</sub>	0.13	0.05			
593	P-1 Additive (Pelleted) Filter	PM	0.01	0.01	15	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
593FF	P-1 Feeder Filter A	PM	0.13	0.05	15	16	16
		PM <sub>10</sub>	0.13	0.05			
		PM <sub>2.5</sub>	0.13	0.05			
594	P-1 Pellet Dryer Exhaust	PM	0.65	1.91	15, 21, 22	16, 24	16
		PM <sub>10</sub>	0.65	1.91			
		PM <sub>2.5</sub>	0.65	1.91			
		VOC (6)	-	-			
595	P-1 Elutriator Filter	PM	0.07	0.19	15	16	16
		PM <sub>10</sub>	0.07	0.19			
		PM <sub>2.5</sub>	0.07	0.19			
705	Small Flare	NOx	31.39	47.95	3, 5, 9, 10, 11, 21	3, 5, 6, 9, 10, 11, 24	3, 5, 26
		CO	97.15	148.42			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	44.79	37.19			
		SO2	5.92	1.15			
		AL2O3	2.28	2.08			
761	Catalyst Bin 29	PM	0.02	0.01	15, 21	16	16
		PM <sub>10</sub>	0.02	0.01			
		PM <sub>2.5</sub>	0.02	0.01			
		VOC	2.19	0.38			
762	Catalyst Bin 30	PM	0.02	0.01	15, 21	16	16
		PM <sub>10</sub>	0.02	0.01			
		PM <sub>2.5</sub>	0.02	0.01			
		VOC	2.19	0.38			
765	Microtalc Filter	PM	0.12	0.02	15	16	16
		PM <sub>10</sub>	0.12	0.02			
		PM <sub>2.5</sub>	0.12	0.02			
765DFUG	Talc Unloading (5)	PM	1.67	0.05	15		
		PM <sub>10</sub>	1.67	0.05			
		PM <sub>2.5</sub>	1.67	0.05			

**Major NSR Summary Table**

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
766	Fugitives, Block 12 (5)	VOC	0.11	0.49	12, 21, 22	12, 24	
769	Fugitives, Block 17 (5)	VOC	0.19	0.85	12, 21, 22	12, 24	
1040	Additive Feeder	PM	0.01	0.02	15	16	16
		PM <sub>10</sub>	0.01	0.02			
		PM <sub>2.5</sub>	0.01	0.02			
1052	No. 1 Granular Make Baghouse	PM	0.13	0.05	13, 14, 15, 21, 22	14, 16, 24	14, 16
		PM <sub>10</sub>	0.13	0.05			
		PM <sub>2.5</sub>	0.13	0.05			
		VOC (6)	-	-			
1053	No. 2 Granular Make Baghouse	PM	0.10	0.39	13, 14, 15, 21, 22	14, 16, 24	14, 16
		PM <sub>10</sub>	0.10	0.39			
		PM <sub>2.5</sub>	0.10	0.39			
		VOC (7)	-	-			
1053A	G-2 Conveying System	PM	0.14	0.60	13, 14, 15, 21, 22	14, 16, 24	14, 16
		PM <sub>10</sub>	0.14	0.60			
		PM <sub>2.5</sub>	0.14	0.60			
		VOC (7)	-	-			

### Major NSR Summary Table

Permit Numbers 6141A and PSDTX118M4					Issuance Date: 10/05/2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
1054	P-1 Additive Conveyor	PM	0.01	0.01	15	16	16
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
1075D	Talc Feeder Vent Line	PM	0.04	0.17	15	16	16
		PM <sub>10</sub>	0.04	0.17			
		PM <sub>2.5</sub>	0.04	0.17			
1086	Wash Pot	VOC	5.87	0.85	21	8	
1090	G-1 Purge Bin Analyzer	VOC	0.01	0.01	21		
1148	Ethylene Heating System Fugitives (5)	VOC	0.99	4.32	12, 21, 22	12, 24	

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 Al<sub>2</sub>O<sub>3</sub> - aluminum oxide  
 CO - carbon monoxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) See Combined Allowables- Entry No. 1.
- (7) See Combined Allowables- Entry No. 2.

**Major NSR Summary Table**

Permit Numbers 3639 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
246	Large Flare (7)	VOC	79.53	87.95	8	5, 8	
		NO <sub>x</sub>	6.93	8.72			
		CO	35.34	44.44			
246	Large Flare Startup, Shutdown, and Maintenance (7)	VOC	107.89	1.22	8	8	
		NO <sub>x</sub>	11.10	0.12			
		CO	56.57	0.58			
441	Mark IV Catalyst Feeder Vent	VOC	0.02	0.03	6	6	6
		PM	0.04	0.02			
		PM <sub>10</sub>	0.04	0.02			
		PM <sub>2.5</sub>	0.04	0.02			
347	Unit Analyzer Vents	VOC	0.11	0.46			
351	Compressor Seal Oil Degassing Reservoir	VOC	0.20	0.86			
766-5	Fugitives (5) (6)	VOC	4.50	19.72	10	10	
191 to 206	Unit Make Bins	VOC	9.90	34.35	6	5, 6	6
		PM	0.13	0.35			
		PM <sub>10</sub>	0.13	0.35			

### Major NSR Summary Table

Permit Numbers 3639 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.13	0.35			
1043	Sample Purger	VOC	0.14	0.41			
1079	Catalyst Wash Pot No. 1	VOC	5.87	0.85		7	
1080	Catalyst Wash Pot No. 2	VOC	5.87	0.85		7	
1162	Portable Mineral Oil Pot Vent	VOC	0.10	0.01			
1178	Seed Bed Vent	PM	3.33	0.26			
		PM <sub>10</sub>	3.33	0.26			
		PM <sub>2.5</sub>	3.33	0.26			
1223	Cycle Gas Line Fugitives (5) (6)	VOC	0.01	0.06	10	10	

- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented.
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) 1.52 tpy of VOC emissions are authorized via Permit by Rule (PBR) Registration Numbers 32964, 31855, and 42305. These PBRs have not been voided.
- (7) SO<sub>2</sub> emissions from the combustion of supplemental natural gas are authorized under NSR Permit No. 1567.

### Major NSR Summary Table

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
233	G5 Catalyst Feed Vent	PM	0.01	0.01	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.33	1.45			
245	Y-System Baghouse Vent	PM	0.10	0.19	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.10	0.19			
		PM <sub>2.5</sub>	0.10	0.19			
246	Large Flare	VOC	214.30	65.32	4, 6, 13, 27, 14	4, 6, 13, 14, 26, 27	4, 6
		NO <sub>x</sub>	31.48	17.76			
		CO (PSD)	227.35	128.25			
		SO <sub>2</sub>	1.05	0.79			
246	Large Flare (Start-Up, Shutdown, and Maintenance)	VOC	507.88	4.38	13, 14, 27	13, 14, 26, 27	6
		NO <sub>x</sub>	46.31	0.40			
		CO	235.99	2.06			
248	G5 Gas Compressor Seal Oil Vent	VOC	0.27	1.16			
249	Analyzer Vents	VOC	0.32	1.37			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
401, 402, 404, and 615	X-1, X-2, X-5, and X-6 Transfer Systems	PM	0.29	0.79 (7)	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.29	0.79			
		PM <sub>2.5</sub>	0.29	0.79			
403	X-3 Transfer System	PM	0.10	0.19	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.10	0.19			
		PM <sub>2.5</sub>	0.10	0.19			
409	Blending Bins Baghouse	PM	7.20	2.70	2, 8	8, 22, 26	8
		PM <sub>10</sub>	7.20	2.70			
		PM <sub>2.5</sub>	7.20	2.70			
415	Z-Transfer System	PM	0.12	0.56	2, 8, 10, 11, 12	8, 11, 12, 22, 26	8
		PM <sub>10</sub>	0.12	0.56			
		PM <sub>2.5</sub>	0.12	0.56			
540	Master Batch System Vent	PM	0.02	0.01	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.02	0.01			
		PM <sub>2.5</sub>	0.02	0.01			
1005	G-5 Product Purge Bin Rotary Feeder Vent	PM	0.02	0.08	8	8, 22, 26	8
		PM <sub>10</sub>	0.02	0.08			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.02	0.08			
1029	Resin Seed Bed Vent (8)	PM	8.13	0.13			
		PM <sub>10</sub>	8.13	0.13			
		PM <sub>2.5</sub>	8.13	0.13			
1081	Block 12 North Catalyst Wash Pot	VOC	5.87	0.85			
1082	Block 12 Middle Catalyst Wash Pot	VOC	5.87	0.85			
1083	Block 12 South Catalyst Wash Pot	VOC	5.87	0.85			
1084	Block 25 Precursor Wash Pot	VOC	5.87	1.45			
1085	Block 25 G-2/G-4 Blender Wash Pot	VOC	5.93	1.46			
<b>Silo Baghouses</b>							
234 H	Silo 101 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
235 H		PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Silo 102 Baghouse (6)	PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
236 H	Silo 103 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
237 H	Silo 104 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
238 H	Silo 105 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
239 H	Silo 106 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
240 H	Silo 107 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
241 H	Silo 201 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
242 H	Silo 202 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
243 H	Silo 203 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	7.03	-			
244 H	Silo 204 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
399 H	Silo 205 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
400 H	Silo 206 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
387 H	Silo 401 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
388 H	Silo 402 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
389 H	Silo 403 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
390 H	Silo 404 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
391 H	Silo 405 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
392 H		PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Silo 406 Baghouse (6)	PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
393 H	Silo 301 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
394 H	Silo 302 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
395 H	Silo 303 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
396 H	Silo 304 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
397 H	Silo 305 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
398 H	Silo 306 Baghouse (6)	PM	0.21	-	2, 8, 21	8, 21, 22, 23, 24, 26	8
		PM <sub>10</sub>	0.21	-			
		PM <sub>2.5</sub>	0.21	-			
		VOC	7.03	-			
	Total Silo Baghouse Cap (7)	PM	-	0.79			
		PM <sub>10</sub>	-	0.79			
		PM <sub>2.5</sub>	-	0.79			
		VOC	-	11.46			
<b>Blending Bins</b>							
405	North Blending Bin (6)	PM	0.90	-			
		PM <sub>10</sub>	0.90	-			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.90	-			
406	South Blending Bin (6) Total EPNs 405 and 406 Cap (7)	PM	0.90	-	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.90	-			
		PM <sub>2.5</sub>	0.90	-			
		PM	-	0.49			
		PM <sub>10</sub>	-	0.49			
		PM <sub>2.5</sub>	-	0.49			
766-3	Feed Stream Fugitives (5)	VOC	8.57	37.58	4, 20	4, 20, 26	4
766-7	Reactor Fugitives (5)	VOC	5.77	25.28	4, 20	4, 20, 26	4
<b>Catalyst Expansion/Isopentane Recovery</b>							
1125	No. 4 Activator Vent Filter	PM	0.01	0.02	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.02			
		PM <sub>2.5</sub>	0.01	0.02			
1126	No. 4 Activator Blow Tank Vent Filter	PM	0.01	0.01	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
1127	G2 Blender Blow Tank Vent Filter	PM	0.01	0.01	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.11	0.54			
1128	G4 Blender Blow Tank Vent Filter	PM	0.01	0.01	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.11	0.54			
1129	Catalyst Expansion Area Fugitives (5) (9)	VOC	1.20	5.28	4, 20	4, 20, 25	4
705	Small Flare (10)	VOC	17.52	8.95	6, 8, 13, 14, 15, 18, 27	6, 13, 14, 15, 26, 27	6
		NO <sub>x</sub>	8.17	3.21			
		CO (PSD)	12.52	4.92			
530	THF Tank Vent	VOC	22.06	0.53			
535	Bin 7117 Vent Filter	PM	0.01	0.01	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Chromium Metal	0.01	0.01			
		VOC	0.50	0.61			
535L	Bin 7117 Cylinder Loading Filter	PM	0.01	0.01	8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		Chromium Metal	0.01	0.01			
		VOC	0.20	0.24			
1044	South Ethylene Sieve Vent (6)	VOC	6.00	-			
1045	West Ethylene Sieve Vent (6)	VOC	6.00	-			
	Total EPNs 1044 and 1045 Cap (7)	VOC	-	1.62			
1046	Isopentane Sieves Combined Vent	VOC	6.0	0.94			
1047	Butene Sieves Combined Vent	VOC	6.0	3.95			
1048	Hexene Sieves Combined Vent	VOC	6.0	0.75			
1007		PM	0.02	0.09	8	8, 22, 23, 26	8

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Catalyst Bin 31 Loading	PM <sub>10</sub>	0.02	0.09			
		PM <sub>2.5</sub>	0.02	0.09			
		VOC	0.71	3.09			
1009	Catalyst Cylinder Loading	PM	0.01	0.01	8	8, 22, 23, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
		VOC	0.02	0.07			
<b>UCAT-J Facility</b>							
705	Small Flare (10)	VOC	2.39	0.79	6, 13, 14, 15, 18, 27	6, 13, 14, 15, 26, 27	6
		NO <sub>x</sub>	1.13	0.38			
		CO	1.72	0.57			
1150	Silica Charge Pot Filter	PM	0.01	0.02	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.02			
		PM <sub>2.5</sub>	0.01	0.02			
1151	Magnesium Chloride Charge Pot Filter	PM	0.01	0.01	2, 8	8, 22, 26	8
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			

**Major NSR Summary Table**

Permit Numbers 1567 and PSDTX118M4					Issuance Date: 05/03/2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
1152A	Product Cylinder Vent	VOC	0.01	0.01			
1152B	Product Cylinder Vent	VOC	0.01	0.01			
1154	Mineral Oil Tank Vent	VOC	0.01	0.01			
1155	Fugitives (5)	Inorganic	0.01	0.02	4, 20	4, 20, 26	4
		VOC	0.53	2.30			
1156A	Fugitives (5) - Silica Truck No. 1	PM	0.01	0.01			
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
1156B	Fugitives (5) - Silica Truck No. 2	PM	0.01	0.01			
		PM <sub>10</sub>	0.01	0.01			
		PM <sub>2.5</sub>	0.01	0.01			
1158A	THF Filters	VOC	0.07	0.01			
1158B	THF Filters	VOC	0.07	0.01			
1159A	THF Filters	VOC	0.07	0.01			
1159B	THF Filters	VOC	0.07	0.01			

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented.  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented.  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Maximum hourly emission rate from any one emission point listed within a group.
- (7) The combined annual emission from the group of listed emission points is limited to the total annual emission rate cap.
- (8) This EPN is associated with reactor start-up only.
- (9) 0.48 tpy of isopentane is authorized through Permit by Rule Registration Number 44680. This permit by rule has not been voided.
- (10) Compliance with allowable emissions for EPN 705 may be demonstrated by monitoring the combined stream to the flare for UCAT-J Facility and catalyst expansion/isopentane recovery.

**From:** Tusar Swami  
**Sent:** Friday, August 23, 2024 1:14 PM  
**To:** shawn.pena@dow.com  
**Subject:** Technical Review -- FOP O2032/Project 37006, Union Carbide Corporation/UCC Seadrift Operations

Shawn:

Good Afternoon. I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O2032/Project 37006, Union Carbide Corporation/UCC Seadrift Operations. This application has been assigned Project No. 37006. 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](mailto: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](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,

*Tusar Swami, P.E.*

**Texas Commission on Environmental Quality**

**OA/APD/Operating Permits Section**

12100 Park 35 Circle, Bldg. C, Austin, TX 78753

Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087

Phone: 512/239-1581 Fax: 512/239-1400

Email: [tusar.swami@tceq.texas.gov](mailto:tusar.swami@tceq.texas.gov)



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[www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

## Carolyn Thomas

---

**From:** eNotice TCEQ  
**Sent:** Wednesday, August 14, 2024 11:11 AM  
**To:** 'Lois.Kolkhorst@senate.texas.gov'; 'JM.lozano@house.texas.gov'  
**Subject:** TCEQ Notice - Permit Number O2032  
**Attachments:** TCEQ Notice - O2032\_37006.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](http://www.tceq.state.tx.us/help/policies/electronic_info_policy.html).

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

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

Jon Niermann, *Chairman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

August 14, 2024

THE HONORABLE LOIS KOLKHORST  
TEXAS SENATE  
PO BOX 12068  
AUSTIN TX 78711-2068

Re: Accepted Federal Operating Permit Renewal Application  
Project Number: 37006  
Permit Number: O2032  
Union Carbide Corporation  
Low Pressure Polyethylene & Catalyst Facilities  
Seadrift, Calhoun County  
Regulated Entity Number: RN102181526  
Customer Reference Number: CN601688781

Dear Senator Kolkhorst:

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=-96.771666,28.515&level=13>.

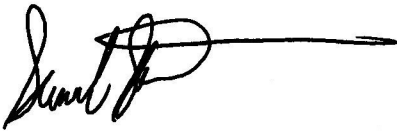
The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site. The FOP identifies and codifies air emission requirements (known as applicable requirements) that apply to the emission units at the site. The FOP does not authorize construction of emission units or emissions from those units. The New Source Review (NSR) permit is the mechanism for these authorizations.

The Honorable Lois Kolkhorst  
Page 2  
August 14, 2024

Re: Accepted Federal Operating Permit Renewal Application

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

Sincerely,

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

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

Jon Niermann, *Chairman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

August 14, 2024

THE HONORABLE JOSE M LOZANO  
TEXAS HOUSE OF REPRESENTATIVES  
PO BOX 2910  
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application  
Project Number: 37006  
Permit Number: O2032  
Union Carbide Corporation  
Low Pressure Polyethylene & Catalyst Facilities  
Seadrift, Calhoun County  
Regulated Entity Number: RN102181526  
Customer Reference Number: CN601688781

Dear Representative Lozano:

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=-96.771666,28.515&level=13>.

The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment at the site.

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

Sincerely,

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

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

## Texas Commission on Environmental Quality

Title V Existing

2032

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	LP POLYETHYLENE & CATALYST UNITS
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	7501 State Hwy 185 N
City	Seadrift
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.516388
Longitude (W) (-###.#####)	96.768055
Primary SIC Code	2869
Secondary SIC Code	
Primary NAICS Code	325199
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102181526
What is the name of the Regulated Entity (RE)?	UCC SEADRIFT OPERATIONS
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	7501 STATE HIGHWAY 185 N
City	SEADRIFT
State	TX
ZIP	77983
County	CALHOUN
Latitude (N) (##.#####)	28.515
Longitude (W) (-###.#####)	-96.771666
Facility NAICS Code	
What is the primary business of this entity?	MANUFACTURING ORGANIC CHEMICALS & THERMOPLASTIC RE

## Customer (Applicant) Information

---

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601688781
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Union Carbide Corporation
Texas SOS Filing Number	1335606
Federal Tax ID	980626782
State Franchise Tax ID	11314217305
State Sales Tax ID	
Local Tax ID	
DUNS Number	1289008
Number of Employees	101-250
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes

## Responsible Official Contact

---

Person TCEQ should contact for questions about this application:	
Organization Name	THE DOW CHEMICAL COMPANY
Prefix	MS
First	HEATHER
Middle	
Last	LYONS
Suffix	
Credentials	
Title	LEAD SITE MANUFACTURING DIRECTOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 186
Routing (such as Mail Code, Dept., or Attn:)	BLDG 185
City	PORT LAVACA

State TX  
ZIP 77979  
Phone (###-###-####) 3615532769  
Extension  
Alternate Phone (###-###-####)  
Fax (###-###-####)  
E-mail HLyons@dow.com

## Duly Authorized Representative Contact

---

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list

Mailing Address

Address Type

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

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

City

State

Zip

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

Extension

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

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

E-mail

New Contact

Union Carbide Corporation

MR

Fernando

Frollini

Responsible Care Director

Domestic

PO BOX 186

PORT LAVACA

TX

77979

3615532816

FFROLLINI@DOW.COM

## Technical Contact

---

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

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

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

City

State

ZIP

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

Extension

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

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

E-mail

New Contact

UNION CARBIDE CORPORATION

MR

SHAWN

PENA

ENVIRONMENTAL SPECIALIST

Domestic

PO BOX 186

PORT LAVACA

TX

77979

3615533401

SHAWN.PENA@DOW.COM

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

28 Deg 30 Min 59 Sec

3) Permit Longitude Coordinate:

96 Deg 46 Min 5 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 through permit conversion?

No

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\\_1 Form OP-1.pdf](/ePermitsExternal/faces/file?fileId=210638)

Hash

E8E8726121A29D323FC2EDC3A15309A49FA71765C6D8B20AD7E1A68F19D21628

MIME-Type

application/pdf

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

[File Properties]

File Name

[OP\\_2\\_2 Form\\_OP-2.pdf](/ePermitsExternal/faces/file?fileId=210639)

Hash

EEA917156B810716D6AF7A2684AA8D98EDF25BED946C0990C43101785BCF33BA

MIME-Type

application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name

[OP\\_ACPS\\_14 Form OP-ACPS.pdf](/ePermitsExternal/faces/file?fileId=210640)

Hash

6A49CE666B74350B3AB3952F055A046B602B8BC81201087096C08E5CAE34057C

MIME-Type

application/pdf

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

[File Properties]

File Name

[OP\\_REQ1\\_12 OP-REQ1.pdf](/ePermitsExternal/faces/file?fileId=210641)

Hash

612FE6EA208A984AD34E465CCF1D819737BD526785D5BE1A3C540565565C28D7

MIME-Type

application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name </ePermitsExternal/faces/file?fileId=210642>>OP\_REQ3\_13 Form\_OP-REQ3.pdf</a>  
Hash 83AAFC37385EBBF89FF5FC2DEB710FE0376FE140DF818E64BB901BCCB7828893  
MIME-Type application/pdf

Attach OP-PBR SUP (Permits by Rule Supplemental Table)  
[File Properties]

File Name </ePermitsExternal/faces/file?fileId=210643>>OP\_PBR SUP\_15 Form OP-PBR SUP.pdf</a>  
Hash 52E9FD4A42778BEA6899369D4393BB67119639B4CBC90B90577C0E3B687623CF  
MIME-Type application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)  
[File Properties]

File Name </ePermitsExternal/faces/file?fileId=210644>>OP\_SUMR\_3 Form\_OP-SUMR (Tables 1 and 2).pdf</a>  
Hash 261E7B6B375697473AE08F6412D323B642BA51182A8D0A2F7BD4EA7689D50758  
MIME-Type application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms  
[File Properties]

File Name </ePermitsExternal/faces/file?fileId=210649>>4-11 Forms UA.pdf</a>  
Hash 9EB5BC9330BF331F71BCDDD98E9FA4E8B72E627A9250324661BFD1762B51552E  
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 </ePermitsExternal/faces/file?fileId=210650>>O2032 Renewal Application.pdf</a>

Hash

DA48772E0A8A83551D9CA7EE3E7D6316F89852237637F29506AC0415F7E0591A

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 Fernando Frollini, the owner of the STEERS account ER100782.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Title V Existing 2032.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Fernando Frollini OWNER OPERATOR

Account Number:

ER100782

Signature IP Address:

136.226.100.171

Signature Date:

2024-08-09

Signature Hash:

60612B9C913A6EE7573B7B8EDEF1DF44C01523E226D9CACEA6740E4692B5EB52

Form Hash Code at time of Signature:

2CB88FB01EBD66BFAF7B688B18277FBE737D5C5EBB61BD6E42F559A1B3989A98

## Submission

Reference Number:

Submitted by:

Submitted Timestamp:

Submitted From:

Confirmation Number:

Steers Version:

Permit Number:

The application reference number is 673690

The application was submitted by ER100782/Fernando Frollini

The application was submitted on 2024-08-09 at 09:00:20  
CDT

The application was submitted from IP address  
136.226.100.171

The confirmation number is 556142

The STEERS version is 6.80

The permit number is 2032

## Additional Information

---

Application Creator: This account was created by Shawn Pena

---



08/08/2024

*Electronic Submittal via ePermits*

Mr. Johnny Bowers  
TCEQ Air Permits Initial Review Team (APIRT), MC-161  
P.O. Box 13087  
Austin, TX 78711-3087

**Union Carbide Corporation, Seadrift Operations**  
**CN601688781; RN102181526**  
**LP Polyethylene & Catalyst Units - Title V Operating Permit O2032**  
**Renewal Application**

Dear Mr. Bowers,

The Dow Chemical Company is submitting the Title V Operating Permit O2032 Renewal Application for the Union Carbide Corporation Seadrift Operations Site located in Calhoun County, Texas in accordance with 30 TAC Chapter 122, Subchapter, C §122.241.

For future correspondence regarding this renewal application, I can be contacted via phone at (361)-553-3401 or e-mail at [shawn.pena@dow.com](mailto:shawn.pena@dow.com).

Sincerely,

*Shawn Pena*

Shawn Pena  
Environmental Specialist

enclosure

cc:  
US EPA Region 6 R6AirPermitsTX@epa.gov  
TCEQ Air Section Manager, Region 12

**Union Carbide Corporation**

**Permit O2032 LP Polyethylene & Catalyst Units**

**Site Operating Permit Renewal Application**

**August 8, 2024**

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# Section 1 - Administrative Forms

**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.

<b>I. Company Identifying Information</b>	
<b>A.</b>	Company Name: Union Carbide Corporation
<b>B.</b>	Customer Reference Number (CN): CN601688781
<b>C.</b>	Submission Date (mm/dd/yyyy): 08/08/2024
<b>II. Site Information</b>	
<b>A.</b>	Site Name: UCC Seadrift Operations
<b>B.</b>	Regulated Entity Reference Number (RN): RN102181526
<b>C.</b>	Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
<input type="checkbox"/>	AR
<input type="checkbox"/>	CO
<input type="checkbox"/>	KS
<input type="checkbox"/>	LA
<input type="checkbox"/>	NM
<input type="checkbox"/>	OK
<input checked="" type="checkbox"/>	N/A
<b>D.</b>	Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
<input checked="" type="checkbox"/>	VOC
<input checked="" type="checkbox"/>	NO <sub>x</sub>
<input type="checkbox"/>	SO <sub>2</sub>
<input checked="" type="checkbox"/>	PM <sub>10</sub>
<input checked="" type="checkbox"/>	CO
<input type="checkbox"/>	Pb
<input checked="" type="checkbox"/>	HAPS
Other:	
<b>E.</b>	Is the site a non-major source subject to the Federal Operating Permit Program? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
<b>F.</b>	Is the site within a local program area jurisdiction? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
<b>G.</b>	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
<b>H.</b>	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging: N/A
<b>III. Permit Type</b>	
<b>A.</b>	Type of Permit Requested: <i>(Select only one response)</i>
<input checked="" type="checkbox"/>	Site Operating Permit (SOP)
<input type="checkbox"/>	Temporary Operating Permit (TOP)
<input type="checkbox"/>	General Operating Permit (GOP)

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

<b>IV. Initial Application Information</b> <i>(Complete for Initial Issuance Applications Only.)</i>	
A. Is this submittal an abbreviated or a full application?	<input type="checkbox"/> Abbreviated <input type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	<input type="checkbox"/> YES <input type="checkbox"/> 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.)	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>V. Confidential Information</b>	
A. Is confidential information submitted in conjunction with this application?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>VI. Responsible Official (RO) Identifying Information</b>	
RO Name Prefix: ( <input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)	
RO Full Name: Heather Lyons	
RO Title: Lead Site Manufacturing Director	
Employer Name: The Dow Chemical Company	
Mailing Address: P.O. Box 186	
City: Port Lavaca	
State: TX	
ZIP Code: 77979	
Territory: N/A	
Country: USA	
Foreign Postal Code: N/A	
Internal Mail Code: Building 185	
Telephone No.: 361-553-2769	
Fax No.: N/A	
Email: HLyons@dow.com	

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

<b>VII. Technical Contact Identifying Information</b> <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Technical Contact Full Name: Shawn Pena
Technical Contact Title: Environmental Specialist
Employer Name: The Dow Chemical Company
Mailing Address: P.O. Box 186
City: Port Lavaca
State: TX
ZIP Code: 77905
Territory: N/A
Country: USA
Foreign Postal Code: N/A
Internal Mail Code: Building 185
Telephone No.: 361-553-3401
Fax No.: N/A
Email: Shawn.Pena@dow.com
<b>VIII. Reference Only Requirements</b> <i>(For reference only.)</i>
<b>A.</b> State Senator: Lois W. Kolkhorst
<b>B.</b> State Representative: J. M. Lozano
<b>C.</b> Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</span>
<b>D.</b> Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>
<b>E.</b> 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**

<b>IX. Off-Site Permit Request</b> <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
Contact Full Name:
E. Telephone No.:
<b>X. Application Area Information</b>
A. Area Name: Low Pressure Polyethylene & Catalyst Facilities
B. Physical Address: 7501 State Highway 185 North
City: Seadrift
State: TX
ZIP Code: 77983
C. Physical Location: 7501 State Highway 185 North
D. Nearest City: Seadrift
E. State: TX
F. ZIP Code: 77983

**Federal Operating Permit Program  
Site Information Summary  
Form OP-1 (Page 5)  
Texas Commission on Environmental Quality**

<b>X. Application Area Information (continued)</b>
<b>G.</b> Latitude (nearest second): 28° 30' 59"
<b>H.</b> Longitude (nearest second): 96° 46' 5"
<b>I.</b> Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
<b>J.</b> Indicate the estimated number of emission units in the application area: 230
<b>K.</b> Are there any emission units in the application area subject to the Acid Rain Program? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>
<b>XI. Public Notice</b> <i>(Complete this section for SOP Applications and Acid Rain Permit Applications only.)</i>
<b>A.</b> Name of a public place to view application and draft permit: Calhoun County Public Library
<b>B.</b> Physical Address: 200 W. Mahan
City: Port Lavaca
ZIP Code: 77979
<b>C.</b> Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: ( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.):
Contact Person Full Name: Shawn Pena
Contact Mailing Address: P.O. Box 186
City: Victoria
State: TX
ZIP Code: 77979
Territory: N/A
Country: USA
Foreign Postal Code: N/A
Internal Mail Code: Building 185
Telephone No.: 361-553-3401

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

<b>XII. Delinquent Fees and Penalties</b>
<b>Notice:</b> 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."
<b>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.</b>
<b>XIII. Designated Representative (DR) Identifying Information</b>
DR Name Prefix: ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

**Federal Operating Permit Program  
Site Information Summary  
Form OP-1 (Page 7)  
Texas Commission on Environmental Quality**

<b>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.</b>
<b>XIV. Alternate Designated Representative (ADR) Identifying Information</b>
ADR Name Prefix: ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> 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:

**Federal Operating Permit Program**  
**Form OP-2 – Application for Permit Revision/Renewal**  
**Table 1**

Date: <b>08/08/2024</b>	
Permit No.: <b>O2032</b>	
Regulated Entity No.: <b>RN102181526</b>	
Company Name: <b>Union Carbide Corporation</b>	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
<b>I. Application Type</b>	
Indicate the type of application:	
<input checked="" type="checkbox"/> Renewal	
<input type="checkbox"/> Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
<input type="checkbox"/> Significant Revision	
<input type="checkbox"/> Revision Requesting Prior Approval	
<input type="checkbox"/> Administrative Revision	
<input type="checkbox"/> Response to Reopening	
<b>II. Qualification Statement</b>	
For SOP Revisions Only <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>	
For GOP Revisions Only <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>	

**Federal Operating Permit Program**  
**Form OP-2 – Application for Permit Revision/Renewal**  
**Table 1 (continued)**

<b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)</b>						
Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>						
<input checked="" type="checkbox"/> VOC	<input checked="" type="checkbox"/> NO <sub>x</sub>	<input type="checkbox"/> SO <sub>2</sub>	<input checked="" type="checkbox"/> PM <sub>10</sub>	<input checked="" type="checkbox"/> CO	<input type="checkbox"/> Pb	<input checked="" type="checkbox"/> HAP
Other:						
<b>IV. Reference Only Requirements (For reference only)</b>						
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?						<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>V. Delinquent Fees and Penalties</b>						
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  
Form OP-2 – Application for Permit Revision/Renewal  
Table 2**

Date: <b>08/08/2024</b>
Permit No.: <b>O2032</b>
Regulated Entity No.: <b>RN102181526</b>
Company Name: <b>Union Carbide Corporation</b>

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
1	MS-C	NO	N/A	OP-UAs OP-REQ1	N/A	<p>Union Carbide Corporation (UCC) requests updates to unit sources whose UA forms have been updated since the last renewal.</p> <p>In addition, UCC is requesting to update the Preconstruction Authorizations. Please see the attached Form OP-REQ1.</p> <p>Additions have been bolded and italicized and deletions have been marked with a strikethrough.</p>
2	MS-C	NO	Multiple	OP-SUMR OP-PBRSUP	N/A	<p>Please update the PBR Supplemental Table to include any changes that have been made since the permit was last revised in October 2022 (Project #32611).</p> <p>Please update the authorizations for these units on the Form OP-SUMR to match the PBR Supplemental Table.</p>

**Federal Operating Permit Program  
Form OP-2 – Application for Permit Revision/Renewal  
Table 2**

Date: <b>08/08/2024</b>
Permit No.: <b>O2032</b>
Regulated Entity No.: <b>RN102181526</b>
Company Name: <b>Union Carbide Corporation</b>

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

Revision No.	Revision Code	New Unit	Unit/Group		Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.		Applicable Form		
3	MS-C	NO	C-4501 PROFINSHG1 PROFINSHG2 PROFINSHG3 PROLP1R PROMATRCV PROMATRVG1 PROMATRVG2 PROREACTG1 PROREACTG2 PROREACTG3	PRORMC21-1 PRORMC22-2 PRORMC4 PRORMC5 PRORMHEXA PRORMHEXE PROSTOREG1 PROSTOREG2 PROSTOREG3 PROCATB PROCATC	OP-REQ3	N/A	<p>Please update the 40 CFR Part 63, Subpart FFFF citations for these units. Please add the new citations that became applicable after August 12, 2023, and please remove the old citations that were no longer applicable after August 12, 2023.</p> <p>Please see Form OP-REQ3 for more information. Additions have been bolded and italicized and deletions have been marked with a strikethrough.</p>
4	MS-C	NO	VNT1100 VNT1350 VNT246 VNT705		OP-SUMR	N/A	<p>Please remove these units from the entire Title V Permit; they are duplicates of units 1100, 1350, 246, and 705, respectively.</p>

**Federal Operating Permit Program  
Form OP-2 – Application for Permit Revision/Renewal  
Table 2**

Date: <b>08/08/2024</b>
Permit No.: <b>O2032</b>
Regulated Entity No.: <b>RN102181526</b>
Company Name: <b>Union Carbide Corporation</b>

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
5	MS-C	NO	1100 1350 246 705	OP-UA15	N/A	<p>Please add 30 TAC Chapter 115, Vent Gas Controls and 40 CFR Part 63, Subpart FFFF positive applicability to these flares.</p> <p>Please update the 40 CFR Part 63, Subpart FFFF citations for these units. Please add the new citations that became applicable after August 12, 2023, and please remove the old citations that were no longer applicable after August 12, 2023.</p> <p>Please see Form OP-REQ3 for more information. Additions have been bolded and italicized and deletions have been marked with a strikethrough.</p>
6	MS-C	NO	LPPEFUG PRODFUG	OP-UA1 OP-REQ3	N/A	<p>Please remove 40 CFR Part 63, Subpart FFFF General High-Level applicability from this fugitive ID.</p> <p>Please add 40 CFR Part 63, Subpart FFFF Low-Level applicability to this fugitive ID. Please see Form OP-REQ3 for detailed citations.</p>

**Federal Operating Permit Program  
Form OP-2 – Application for Permit Revision/Renewal  
Table 2**

Date: <b>08/08/2024</b>
Permit No.: <b>O2032</b>
Regulated Entity No.: <b>RN102181526</b>
Company Name: <b>Union Carbide Corporation</b>

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

Revision No.	Revision Code	New Unit	Unit/Group	Process	NSR Authorization	Description of Change and Provisional Terms and Conditions
			ID No.	Applicable Form		
7	MS-C	NO	LPPEFUG PRODFUG	OP-UA12 OP-REQ3	N/A	<p>Please add 40 CFR Part 63, Subpart H positive applicability to this fugitive ID.</p> <p>Please do not include [G]63.165 in the 40 CFR Part 63, Subpart H citations for pressure relief devices in gas/vapor service. This citation was no longer applicable after August 12, 2023 [per 63.2480(e)], and the fugitive ID will be complying with 40 CFR Part 63, Subpart FFFF.</p> <p>This request has been completed in the minor revision for Title V Permit O2221 (Project #34826) and the renewal for Title V Permit O2235 (Project #35387) by removing the entire row for pressure relief devices in gas/vapor service. All of the citations for this component type are then added to the 40 CFR Part 63, Subpart FFFF citations, except [G]63.165. Please see Form OP-REQ3 for more details.</p>
8	MS-C	YES	2301 2302 2303 2304	OP-SUMR	PBR 145327	<p>Please add these Unit ID's to the permit. They are new equipment and should be listed under GRP-VNT2.</p>

**Federal Operating Permit Program**  
**Form OP-2 – Application for Permit Revision/Renewal**  
**Table 2**

Date: <b>08/08/2024</b>	
Permit No.: <b>O2032</b>	
Regulated Entity No.: <b>RN102181526</b>	
Company Name: <b>Union Carbide Corporation</b>	
<b>I. Significant Revision</b> <i>(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)</i>	
A. Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
B. Indicate the alternate language(s) in which public notice is required: <b>Spanish</b>	
C. Will, there be a change in air pollutant emissions as a result of the significant revision?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

**Federal Operating Permit Program**  
**Form OP-SUMR – Individual Unit Summary for Revisions**  
**Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		1007		CATALYST BIN 31 LOADING		1567	PSDTX118M4
		1009		CAT. CONTAINER LOADING: Y352		1567	PSDTX118M4
		1043		G1750 SAMPLE PUGER		3639	PSDTX118M4
		1044		SOUTH ETHYLENE SIEVE VENT		1567	PSDTX118M4
		1045		WEST ETHYLENE SIEVE VENT		1567	PSDTX118M4
		1046		ISOPENTANE BEDS		1567	PSDTX118M4
		1047		BUTENE BEDS		1567	PSDTX118M4
		1048		HEXENE BEDS		1567	PSDTX118M4
		1052		#1 GRANULAR MAKE BAGHOUSE		6141A	PSDTX118M4
		1053		#2 GRANULAR MAKE BAGHOUSE		6141A	PSDTX118M4
		1053A		#2 GRANULAR MAKE DUST COLLECTOR		6141A	PSDTX118M4
		1079		CATALYST WASH POT		3639	PSDTX118M4
		1080		CATALYST WASH POT		3639	PSDTX118M4
		1081		CATALYST WASH POT		1567	PSDTX118M4
		1082		CATALYST WASH POT		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		1083		CATALYST WASH POT		1567	PSDTX118M4
		1084		CATALYST WASH POT		1567	PSDTX118M4
		1085		CATALYST WASH POT		1567	PSDTX118M4
		1086		CATALYST WASH POT		6141A	PSDTX118M4
	5	1100		CATALYST UNIT FLARE		6361	PSDTX118M4
		1127		G-2 BLENDER BLOW TANK FILTER		1567	PSDTX118M4
		1128		G-4 BLENDER BLOW TANK FILTER		1567	PSDTX118M4
		1130		ME DRUM LINER WASHING		6361	PSDTX118M4
		1130A		NO. 5 ACTIVATOR VENT FILTER		1567	PSDTX118M4
		1131A		NO. 5 ACTIVATOR BLOW TANK VENT FILTER		1567	PSDTX118M4
		1132A		NO. 5 ACTIVATOR RECEIVER TANK VENT FILTER		1567	PSDTX118M4
		1143D		CONTAINER LOADING FILTER		6361	PSDTX118M4
		1152A		PRODUCT CONTAINER VENT		1567	PSDTX118M4
		1152B		PRODUCT CONTAINER VENT		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		1161		SILICA DEHYDRATOR		6361 106.262/03/14/1997	PSDTX118M4
		1301		NO. 6 ACTIVATOR ACID K.O. POT VENT		106.261/11/01/2003 106.262/11/01/2003	
		1302		NO. 6 ACTIVATOR BLOW TANK VENT FILTER		106.261/11/01/2003 106.262/11/01/2003	
		1303		NO. 6 ACTIVATOR RECEIVER TANK FILTER		106.261/11/01/2003 106.262/11/01/2003	
		1304		G8 BLENDER BLOW TANK VENT FILTER		106.261/11/01/2003 106.262/11/01/2003	
		1306		CATALYST STORAGE BIN VENT FILTER (CY-4740)		106.261/11/01/2003 106.262/11/01/2003	
		1307		CATALYST STORAGE BIN VENT FILTER (CY-4741)		106.261/11/01/2003 106.262/11/01/2003	
		1308		CATALYST LOADING BIN VENT FILTER (CY-4742)		106.261/11/01/2003 106.262/11/01/2003	
		1309		PRODUCT CYLINDER VENT FILTER (CY-4743)		106.261/11/01/2003 106.262/11/01/2003	
	5	1350		PRODIGY FLARE		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		1351		SILICA SEAL POT		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		1352		ADDITIVE SOLID PM FILTER		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		191		UNIT MAKE BIN 841		3639	PSDTX118M4
		192		UNIT MAKE BIN 842		3639	PSDTX118M4
		193		UNIT MAKE BIN 843		3639	PSDTX118M4
		194		UNIT MAKE BIN 844		3639	PSDTX118M4
		196		UNIT MAKE BIN 846		3639	PSDTX118M4
		197		UNIT MAKE BIN 847		3639	PSDTX118M4
		198		UNIT MAKE BIN 848		3639	PSDTX118M4
		199		UNIT MAKE BIN 851		3639	PSDTX118M4
		200		UNIT MAKE BIN 852		3639	PSDTX118M4
		201		UNIT MAKE BIN 853		3639	PSDTX118M4
		202		UNIT MAKE BIN 854		3639	PSDTX118M4
		203		UNIT MAKE BIN 855		3639	PSDTX118M4
		204		UNIT MAKE BIN 856		3639	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
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Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		205		UNIT MAKE BIN 857		3639	PSDTX118M4
		206		UNIT MAKE BIN 858		3639	PSDTX118M4
		230		G-5 BLENDER BLOW TANK FILTER		6361	PSDTX118M4
		232		CATALYST BINS 16-20 FILTER		6361	PSDTX118M4
		234		BLOCK 25 SILO 101 BAGHOUSE		1567	PSDTX118M4
		235		BLOCK 25 SILO 102 BAGHOUSE		1567	PSDTX118M4
		236		BLOCK 25 SILO 103 BAGHOUSE		1567	PSDTX118M4
		237		BLOCK 25 SILO 104 BAGHOUSE		1567	PSDTX118M4
		238		BLOCK 25 SILO 105 BAGHOUSE		1567	PSDTX118M4
		239		BLOCK 25 SILO 106 BAGHOUSE		1567	PSDTX118M4
		240		BLOCK 25 SILO 107 BAGHOUSE		1567	PSDTX118M4
		241		BLOCK 25 SILO 201 BAGHOUSE		1567	PSDTX118M4
		242		BLOCK 25 SILO 202 BAGHOUSE		1567	PSDTX118M4
		243		BLOCK 25 SILO 203 BAGHOUSE		1567	PSDTX118M4
		244		BLOCK 25 204 BAGHOUSE		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
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Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		245		BLOCK 25 Y-SYSTEM BAGHOUSE		1567	PSDTX118M4
	5	246		LARGE FLARE		1567 3639 6141A 6361 18773	PSDTX118M4
		248		G5 SEAL SOIL SYSTEM VENT		1567	PSDTX118M4
		2910		STORAGE TANK 2910		18773	PSDTX118M4
		2911		STORAGE TANK 2911		18773	PSDTX118M4
		351		G1750 SEAL OIL SYSTEM VENT		3639	PSDTX118M4
		387		SILO 401 BAGHOUSE		1567	PSDTX118M4
		388		SILO 402 BAGHOUSE		1567	PSDTX118M4
		389		SILO 403 BAGHOUSE		1567	PSDTX118M4
		390		SILO 404 BAGHOUSE		1567	PSDTX118M4
		391		SILO 405 BAGHOUSE		1567	PSDTX118M4
		392		SILO 406 BAGHOUSE		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		393		SILO 301 BAGHOUSE		1567	PSDTX118M4
		394		SILO 302 BAGHOUSE		1567	PSDTX118M4
		395		SILO 303 BAGHOUSE		1567	PSDTX118M4
		396		SILO 304 BAGHOUSE		1567	PSDTX118M4
		397		SILO 305 BAGHOUSE		1567	PSDTX118M4
		398		SILO 306 BAGHOUSE		1567	PSDTX118M4
		399		BLOCK 25 SILO 205 BAGHOUSE		1567	PSDTX118M4
		400		BLOCK 25 SILO 206 BAGHOUSE		1567	PSDTX118M4
		415		Z TRANSFER SYSTEM VACUUM BLOWER VENT		1567	PSDTX118M4
		436		SEAL POT VENT		6361	PSDTX118M4
		441		G1750 CAT. FEEDER VENT		3639	PSDTX118M4
		468		CATALYST BIN 22 FILTER		6361	PSDTX118M4
		469		CATALYST BIN 23 FILTER		6361	PSDTX118M4
		470		CATALYST BIN 24 FILTER		6361	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		479		#2 ACTIVATOR FILTER		6141A	PSDTX118M4
		483		G-3 BLENDER BLOW TANK FILTER		6141A	PSDTX118M4
		484		CATALYST BIN 25 FILTER		6141A	PSDTX118M4
		485		CATALYST BIN 26 FILTER		6141A	PSDTX118M4
		488		NORTH CATALYST BLOW TANK		6141A	PSDTX118M4
		489		CENTER CATALYST BLOW TANK		6141A	PSDTX118M4
		490		SOUTH CATALYST BLOW TANK		6141A	PSDTX118M4
		491		G1 CATALYST FEEDER FILTER		6141A	PSDTX118M4
		492		G1 CATALYST FEEDER FILTER		6141A	PSDTX118M4
		493		G2 CATALYST FEEDER FILTER		6141A	PSDTX118M4
		494		G2 CATALYST FEEDER FILTER		6141A	PSDTX118M4
		495		G1 SEAL OIL SYSTEM VENT		6141A	PSDTX118M4
		496		G2 SEAL OIL SYSTEM VENT		6141A	PSDTX118M4
		504		RESIN BIN 101		6141A	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		505		RESIN BIN 102		6141A	PSDTX118M4
		506		RESIN BIN 103		6141A	PSDTX118M4
		507		RESIN BIN 201		6141A	PSDTX118M4
		508		RESIN BIN 202		6141A	PSDTX118M4
		509		RESIN BIN 203		6141A	PSDTX118M4
		510		#1 TRANSFER CONVEYOR SEPARATOR		6141A	PSDTX118M4
		511		#2 TRANSFER CONVEYOR SEPARATOR		6141A	PSDTX118M4
		512		#1 LOADING CONVEYOR SEPARATOR		6141A	PSDTX118M4
		513		#2 LOADING CONVEYOR SEPARATOR		6141A	PSDTX118M4
		530		THF TANK		1567	PSDTX118M4
		535		BIN 7117 FILTER		1567	PSDTX118M4
		535 L		BIN 7117 LOADING FILTER		1567	PSDTX118M4
		591		P1 FEED HOPPER BAGHOUSE		6141A	PSDTX118M4
		594		PELLET DRYER VENT		6141A	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		595		P1 ELUTRIATOR FILTER		6141A	PSDTX118M4
	5	705		SMALL FLARE		1537 6141A 18773	PSDTX118M4
		707		G3 SEAL OIL SYSTEM VENT		18773	PSDTX118M4
		720		P3 MIX/FEED HOPPER BAGHS.		18773	PSDTX118M4
		721		P3 PELLET DRYER		18773	PSDTX118M4
		722		RESIN BIN 301		18773	PSDTX118M4
		723		RESIN BIN 302		18773	PSDTX118M4
		724		RESIN BIN 303		18773	PSDTX118M4
		725		PELLET LOADING FILTER		18773	PSDTX118M4
		761 H		CATAYLST BIN 29 FILTER		6141A	PSDTX118M4
		762 H		CATAYLST BIN 30 FILTER		6141A	PSDTX118M4
		768		DEDICATED TRANSFER SYSTEM		6141A	PSDTX118M4
		771		CATALYST BLOW TANK		6141A	PSDTX118M4
		772		NO 3 ACTIVATOR FILTER		6361	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
		A-227		#1 ACTIVATOR FILTER		6361	PSDTX118M4
		A-233		G-5 CATALYST FEEDER VENT		1567	PSDTX118M4
		A-405		LP1R BLND BIN BAGHOUSE #1		1567	PSDTX118M4
		A-406		LP1R BLND BIN BAGHOUSE #2		1567	PSDTX118M4
		A-409		LP1R BLND BIN BAGHOUSE #3		1567	PSDTX118M4
		C-3084		SPENT ISOPENTANE TANK		6361	PSDTX118M4
		C-3086		WASTE TANK		6361	PSDTX118M4
		C-3091		ISOPENTANE TANK		6361	PSDTX118M4
		C-3092		ETHANOL TANK		6361	PSDTX118M4
		C-3520		THF SOLVENT TANK		1567	PSDTX118M4
	3	C-4501		ISOPAR C STORAGE TANK		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		ISOPARUL		ISOPAR C TRUCK UNLOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		LP1RC4BULT		BUTENE SOTRAGE BULLET		1567	PSDTX118M4
		LP1RC6BULT		HEXENE TANK		1567	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 1**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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
		LP1RCIC5TK		CRUDE ISOPENTANE TANK		82/04/05/1995	
		LP1RIC5DT		ISOPENTANE DUMP TANK #1		1567	PSDTX118M4
		LP1RRC5TK		REFINED ISOPENTANE TANK		82/04/05/1995	
		LP1RRC6TK		RINED HEXENE TANK #2		1567	PSDTX118M4
		LP1RRICATK		HEXANE TANK		18773	PSDTX118M4
		LP1RTFT2TK		CO-CATAYLST TANK #2		6361	PSDTX118M4
	6, 7	LPPEFUG		APPLICATION AREA FUGITIVES		1567 3639 6141A 6361 18773	PSDTX118M4
		MAOUL		MAO CYLINDER/ISOTAINER UNLOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		PRECLOAD		PRECURSOR WASTE LOADING		6361	PSDTX118M4
	3	PROCATB		CATALYST FACILITIES – BATCH		1567 6141A 6361 18773	PSDTX118M4

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/ Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	PROCATC		CATALYST FACILITIES – CONTINUOUS		1567 6141A 6361 18773	PSDTX118M4
	6, 7	PRODFUG		PRODIGY AREA FUGITIVES		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
	3	PROFINSHG1		FINISHING SECTION: LP-2 G1		6141A	PSDTX118M4
	3	PROFINSHG2		FINISHING SECTION: LP-2 G2		6141A	PSDTX118M4
	3	PROFINSHG3		FINISHING SECTION: LP-2 G3		18773	PSDTX118M4
	3	PROLP1R		LP-1 REACTION FACILITIES		1567 3639	PSDTX118M4
	3	PROMATRCV		RECOVERY SECTION: LP-2 G1/G2		6141A	PSDTX118M4
	3	PROMATRVG1		RECOVERY SECTION: LP-2 G1		6141A	PSDTX118M4
	3	PROMATRVG2		RECOVERY SECTION: LP-2 G2		6141A	PSDTX118M4
	3	PROREACTG1		REACTION SECTION: LP-2 G1		6141A	PSDTX118M4
	3	PROREACTG2		REACTION SECTION: LP-2 G2		6141A	PSDTX118M4
	3	PROREACTG3		REACTION SECTION: LP-2 G3		18773	PSDTX118M4
	3	PRORMC21-1		LP1ETHYLENE PREP. SECT. NO. 1		1567	PSDTX118M4

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Individual Unit Summary for Revisions  
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August 8, 2024	O2032	RN102181526

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
	3	PRORMC22-2		LP2 ETHYLENE PREP. SECT. NO. 2 AT LP-2		1567	PSDTX118M4
	3	PRORMC4		PREPARATION SECTION: BUTENE		1567 6141A	PSDTX118M4
	3	PRORMC5		PREPARATION SECTION: ISOPENTANE		1567	PSDTX118M4
	3	PRORMHEXA		PREPARATION SECTION: HEXANE		18773	PSDTX118M4
	3	PRORMHEXE		PREPARATION SECTION: HEXENE		1567	PSDTX118M4
	3	PROSTOREG1		STORAGE SECTION: LP-2 G1		6141A	PSDTX118M4
	3	PROSTOREG2		STORAGE SECTION: LP-2 G2		6141A	PSDTX118M4
	3	PROSTOREG3		STORAGE SECTION: LP-2 G3		18773	PSDTX118M4
		TOLUENELD		SPENT TOLUENE LOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
		TOLUENEUL		TOLUENE CYLINDER UNLOADING		106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]	
D	4	<del>VNT1100</del>	<del>OP-UA15</del>	<del>VENT HEADER FOR FLARE 1100</del>		<del>6361</del>	PSDTX118M4
D	4	<del>VNT1350</del>	<del>OP-UA15</del>	<del>VENT HEADER FOR PRODIGY FLARE 1350</del>		<del>106.261/11/01/2003 [159156] 106.262/11/01/2003 [159156]</del>	

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
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Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

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	4	VNT246	OP-UA15	VENT HEADER FOR FLARE 246		<del>1567</del> <del>3639</del> 6141A <del>6361</del> <del>18773</del>	PSDTX118M4
D	4	VNT705	OP-UA15	VENT HEADER FOR FLARE 705		<del>1567</del> 6141A <del>18773</del>	PSDTX118M4
A	8	2301	OP-UA15	#7 Activator Acid K.O. Pot		<i>106.261/11/01/2003 [145327]</i> <i>106.262/11/01/2003 [145327]</i>	
A	8	2302	OP-UA15	#7 Activator Blow Tank Vent Filter		<i>106.261/11/01/2003 [145327]</i> <i>106.262/11/01/2003 [145327]</i>	
A	8	2303	OP-UA15	#7 Activator Receiver Tank Filter		<i>106.261/11/01/2003 [145327]</i> <i>106.262/11/01/2003 [145327]</i>	
A	8	2304	OP-UA15	G9 Blender Blow Tank Vent Filter		<i>106.261/11/01/2003 [145327]</i> <i>106.262/11/01/2003 [145327]</i>	

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	1007	OP-UA15		GRP-VNT1
	1009	OP-UA15		GRP-VNT1
	1043	OP-UA15		GRP-VNT1
	1044	OP-UA15		GRP-VNT2
	1045	OP-UA15		GRP-VNT2
	1046	OP-UA15		GRP-VNT2
	1047	OP-UA15		GRP-VNT2
	1048	OP-UA15		GRP-VNT2
	1052	OP-UA15		GRP-VNT2
	1053A	OP-UA15		GRP-VNT2
	1053	OP-UA15		GRP-VNT2CAM
	1079	OP-UA15		GRP-VNT1
	1080	OP-UA15		GRP-VNT1
	1081	OP-UA15		GRP-VNT1

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	1082	OP-UA15		GRP-VNT1
	1083	OP-UA15		GRP-VNT1
	1084	OP-UA15		GRP-VNT1
	1085	OP-UA15		GRP-VNT1
	1086	OP-UA15		GRP-VNT1
	1127	OP-UA15		GRP-VNT1
	1128	OP-UA15		GRP-VNT1
	1130	OP-UA15		GRP-VNT1
	1130A	OP-UA15		GRP-VNT2
	1131A	OP-UA15		GRP-VNT2
	1132A	OP-UA15		GRP-VNT2
	1143D	OP-UA15		GRP-VNT1
	1152A	OP-UA15		GRP-VNT1

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	1152B	OP-UA15		GRP-VNT1
	1161	OP-UA15		GRP-VNT1
	1301	OP-UA15		GRP-VNT2
	1302	OP-UA15		GRP-VNT2
	1303	OP-UA15		GRP-VNT2
	1304	OP-UA15		GRP-VNT2
	1306	OP-UA15		GRP-VNT2
	1307	OP-UA15		GRP-VNT2
	1308	OP-UA15		GRP-VNT2
	1309	OP-UA15		GRP-VNT2
	191	OP-UA15		GRP-VNT2
	192	OP-UA15		GRP-VNT2
	193	OP-UA15		GRP-VNT2

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	194	OP-UA15		GRP-VNT2
	196	OP-UA15		GRP-VNT2
	197	OP-UA15		GRP-VNT2
	198	OP-UA15		GRP-VNT2
	199	OP-UA15		GRP-VNT2
	200	OP-UA15		GRP-VNT2
	201	OP-UA15		GRP-VNT2
	202	OP-UA15		GRP-VNT2
	203	OP-UA15		GRP-VNT2
	204	OP-UA15		GRP-VNT2
	205	OP-UA15		GRP-VNT2
	206	OP-UA15		GRP-VNT2
	230	OP-UA15		GRP-VNT1

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	232	OP-UA15		GRP-VNT1
	234	OP-UA15		GRP-VNT2
	235	OP-UA15		GRP-VNT2
	236	OP-UA15		GRP-VNT2
	237	OP-UA15		GRP-VNT2
	238	OP-UA15		GRP-VNT2
	239	OP-UA15		GRP-VNT2
	240	OP-UA15		GRP-VNT2
	241	OP-UA15		GRP-VNT2
	242	OP-UA15		GRP-VNT2
	243	OP-UA15		GRP-VNT2
	244	OP-UA15		GRP-VNT2
	245	OP-UA15		GRP-CAM

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	248	OP-UA15		GRP-VNT1
	351	OP-UA15		GRP-VNT1
	387	OP-UA15		GRP-VNT2
	388	OP-UA15		GRP-VNT2
	389	OP-UA15		GRP-VNT2
	390	OP-UA15		GRP-VNT2
	391	OP-UA15		GRP-VNT2
	392	OP-UA15		GRP-VNT2
	393	OP-UA15		GRP-VNT2
	394	OP-UA15		GRP-VNT2
	395	OP-UA15		GRP-VNT2
	396	OP-UA15		GRP-VNT2
	397	OP-UA15		GRP-VNT2
	398	OP-UA15		GRP-VNT2

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	399	OP-UA15		GRP-VNT2
	400	OP-UA15		GRP-VNT2
	415	OP-UA15		GRP-VNT2
	436	OP-UA15		GRP-VNT1
	441	OP-UA15		GRP-VNT1
	468	OP-UA15		GRP-VNT1
	469	OP-UA15		GRP-VNT1
	470	OP-UA15		GRP-VNT1
	479	OP-UA15		GRP-VNT2
	483	OP-UA15		GRP-VNT1
	484	OP-UA15		GRP-VNT1
	485	OP-UA15		GRP-VNT1
	488	OP-UA15		GRP-VNT1
	489	OP-UA15		GRP-VNT1

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	490	OP-UA15		GRP-VNT1
	491	OP-UA15		GRP-VNT1
	492	OP-UA15		GRP-VNT1
	493	OP-UA15		GRP-VNT1
	494	OP-UA15		GRP-VNT1
	495	OP-UA15		GRP-VNT1
	496	OP-UA15		GRP-VNT1
	504	OP-UA15		GRP-VNT2CAM
	505	OP-UA15		GRP-VNT2CAM
	506	OP-UA15		GRP-VNT2CAM
	507	OP-UA15		GRP-VNT2CAM
	508	OP-UA15		GRP-VNT2CAM
	509	OP-UA15		GRP-VNT2CAM
	510	OP-UA15		GRP-CAM

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	511	OP-UA15		GRP-CAM
	512	OP-UA15		GRP-CAM
	513	OP-UA15		GRP-CAM
	535	OP-UA15		GRP-VNT1
	535 L	OP-UA15		GRP-VNT1
	591	OP-UA15		GRP-VNT2
	594	OP-UA15		GRP-VNT2
	595	OP-UA15		GRP-CAM
	707	OP-UA15		GRP-VNT1
	720	OP-UA15		GRP-VNT2
	721	OP-UA15		GRP-VNT2
	722	OP-UA15		GRP-VNT2CAM
	723	OP-UA15		GRP-VNT2CAM
	724	OP-UA15		GRP-VNT2CAM

TCEQ-10344 (APDG 5767v7, revised 05/20) OP-SUMR  
This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	725	OP-UA15		GRP-CAM
	761 H	OP-UA15		GRP-VNT1
	762 H	OP-UA15		GRP-VNT1
	768	OP-UA15		GRP-CAM
	771	OP-UA15		GRP-VNT1
	772	OP-UA15		GRP-VNT2
	A-227	OP-UA15		GRP-VNT1
	A-233	OP-UA15		GRP-VNT1
	A-405	OP-UA15		GRP-CAM
	A-406	OP-UA15		GRP-CAM
	A-409	OP-UA15		GRP-CAM
	C-3084	OP-UA3		GRP-TK3
	C-3086	OP-UA3		GRP-TK3
	C-3091	OP-UA3		GRP-TK3

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
	C-3092	OP-UA3		GRP-TK3
	C-3520	OP-UA3		GRP-TK2
	LP1RC4BULT	OP-UA3		GRP-TK5
	LP1RC6BULT	OP-UA3		GRP-TK5
	LP1RCIC5TK	OP-UA3		GRP-TK4
	LP1RIC51DT	OP-UA3		GRP-TK4
	LP1RRC5TK	OP-UA3		GRP-TK4
	LP1RRC6TK	OP-UA3		GRP-TK4
3	PROFINSHG1	OP-UA60		GRP-MCPU
3	PROFINSHG2	OP-UA60		GRP-MCPU
3	PROFINSHG3	OP-UA60		GRP-MCPU
3	PROLP1R	OP-UA60		GRP-MCPU
3	PROMATRCV	OP-UA60		GRP-MCPU
3	PROMATRVG1	OP-UA60		GRP-MCPU

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	PROMATRVG2	OP-UA60		GRP-MCPU
3	PROREACTG1	OP-UA60		GRP-MCPU
3	PROREACTG2	OP-UA60		GRP-MCPU
3	PROREACTG3	OP-UA60		GRP-MCPU
3	PRORMC21-1	OP-UA60		GRP-MCPU
3	PRORMC22-2	OP-UA60		GRP-MCPU
3	PRORMC4	OP-UA60		GRP-MCPU
3	PRORMC5	OP-UA60		GRP-MCPU
3	PRORMHEXA	OP-UA60		GRP-MCPU
3	PRORMHEXE	OP-UA60		GRP-MCPU
3	PROSTOREG1	OP-UA60		GRP-MCPU
3	PROSTOREG2	OP-UA60		GRP-MCPU
3	PROSTOREG3	OP-UA60		GRP-MCPU

**Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR – Table 2**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
8	2301	OP-UA15	A	GRP-VNT2
8	2302	OP-UA15	A	GRP-VNT2
8	2303	OP-UA15	A	GRP-VNT2
8	2304	OP-UA15	A	GRP-VNT2

# Section 2 – Unit Attribute Forms

**Miscellaneous Unit Attributes – Form OP-UA1 (Page 1)**  
**Federal Operating Permit Program**

Date	Permit No.	Regulated Entity No.
08/08/2024	O2032	RN102181526

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
LPPEFUG	63FFFF-01	EU				<p><i>Please add 40 CFR Part 63, Subpart FFFF General High-Level Applicability to this unit. Please see Form OP-REQ3 for detailed citations.</i></p> <p><del>Please add 40 CFR Part 63, Subpart FFFF General High Level Applicability to this unit.</del></p>
PRODFUG	63FFFF-01	EU				<p><i>Please add 40 CFR Part 63, Subpart FFFF General High-Level Applicability to this unit. Please see Form OP-REQ3 for detailed citations.</i></p> <p><del>Please add 40 CFR Part 63, Subpart FFFF General High Level Applicability to this unit.</del></p>

**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.
August 8, 2024	02032	RN102181526

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.
2910	60KB-01	VOL	40K+	NONE	11.1+B	CVS-FL				705
2911	60KB-01	VOL	40K+	NONE	11.1+B	CVS-FL				705

**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.
August 8, 2024	O2032	RN102181526

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
530	R5112-01	NO		VOC2	C1K-25K			
2910	R5112-01	NO		VOC2	C25K+			
2911	R5112-01	NO		VOC2	C25K+			
GRP-TK2	R5112-01	NO		VOC2	C1K-25K			
GRP-TK3	R5112-01	NO		VOC2	C1K-25K			
GRP-TK4	R5112-01	NO		VOC2	C1K-25K			
GRP-TK5	R5112-01	NO		VOC2	C25K+			
LP1RRICATK	R5112-01	NO		VOC2	C1K-25K			
LP1RTFT2TK	R5112-01	NO		VOC2	C1K-25K			

**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.
August 8, 2024	02032	RN102181526

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.
530	R5112-01	NCE	SFP2	1.5+B				
2910	R5112-01		VRS2	1.5+B			FLARE	705
2911	R5112-01		VRS2	1.5+B			FLARE	705
GRP-TK2	R5112-01	NCE	VRS2	1.5+B			FLARE	705
GRP-TK3	R5112-01	NCE	VRS2	1.5+B			FLARE	1100
GRP-TK4	R5112-01	NCE	VRS2	1.5+B			FLARE	246
GRP-TK5	R5112-01		VRS2	1.5+B			FLARE	246
LP1RRICATK	R5112-01	NCE	VRS2	1.5+B			FLARE	246
LP1RTFT2TK	R5112-01	NCE	SFP2	1.5+B				





**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**

<b>Date</b>	<b>Permit No.:</b>	<b>Regulated Entity No.</b>
August 8, 2024	O2032	RN102181526

<b>Unit ID No.</b>	<b>SOP/GOP Index No.</b>	<b>Chapter 115 Facility Type</b>	<b>Alternate Control Requirement (ACR)</b>	<b>ACR ID No.</b>	<b>Product Transferred</b>	<b>Transfer Type</b>	<b>True Vapor Pressure</b>	<b>Daily Through-put</b>	<b>Control Options</b>
PRECLOAD	R5211-01	OTHER	NONE		VOC2	LOAD	1.5+	NCE2	CON
ISOPARUL	R5211-01	OTHER	NONE		VOC2	UNLOAD	1.5-		
MAOUL	R5211-01	OTHER	NONE		VOC2	UNLOAD	1.5-		
TOLUENELD	R5211-01	OTHER	NONE		VOC2	LOAD	1.5-		

**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.
August 8, 2024	O2032	RN102181526

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
PRECLOAD	R5211-01	FLARE	1100	YES				

**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.
August 8, 2024	02032	RN102181526

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
246	R1111-01	NO	NO			
705	R1111-01	NO	NO			
1100	R1111-01	NO	NO			
1350	R1111-01	NO	NO			



**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.
August 8, 2024	02032	RN102181526

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
246	63A-01	YES	YES	STEAM	60-	
246	63A-02	YES	YES	STEAM	60-400	1000+
705	63A-01	YES	YES	AIR		
705	63A-02	YES	YES	NONE	60-400	1000-
1100	63A-01	YES	YES	AIR		
1100	63A-02	YES	YES	NONE	60-400	1000-
1350	63A-01	YES	YES	STEAM	60-	
1350	63A-02	YES	YES	STEAM	60-400	1000-

**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**

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
August 8, 2024	02032	RN102181526

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

**Fugitive Emission Unit Attributes – Form OP-UA12 (Page 70)**  
**Federal Operating Permit Program**

**Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks**

Date	Permit No.	Regulated Entity No.
08/08/2024	O2032	RN102181526

Unit ID No.	SOP Index No.	Equipment Type	Non Research and Development/Batch Processes	Vacuum Service	Less Than 300 Operating Hours	Heavy Liquid Service	AMEL
<i>LPPEFUG</i>	<i>63H-ALL</i>						
<i>PRODFUG</i>	<i>63H-ALL</i>						

**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.
August 8, 2024	02032	RN102181526

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
GRP-CAM	R1111-01	NO		OTHER	NONE	72+	100-
GRP-VNT2	R1111-01	NO		OTHER	NONE	72+	100-
GRP-VNT2CAM	R1111-01	NO		OTHER	NONE	72+	100-
1351	R1111-01	NO		OTHER	NONE	72+	100-
1352	R1111-01	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.
August 8, 2024	02032	RN102181526

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
GRP-VNT1	R5121-01	NO	NO	CLASVOC		100-		YES
GRP-VNT2	R5121-01	NO	NO	CLASVOC			30K-	YES
GRP-VNT2CAM	R5121-01	NO	NO	CLASVOC			30K-	YES
<i>1100</i>	R5121-01	NO	NO	CLASVOC				
<i>246</i>	R5121-01	NO	NO	CLASVOC				
<i>705</i>	R5121-01	NO	NO	CLASVOC				
<i>1350</i>	R5121-01	NO	NO	CLASVOC				

**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.
August 8, 2024	02032	RN102181526

Emission Point ID No.	SOP Index No.	Alternate Control Requirement	ACR ID No.	Control Device Type	Control Device ID No.
<i>1100</i>	R5121-01	NONE		FLARE	1100
<i>246</i>	R5121-01	NONE		FLARE	246
<i>705</i>	R5121-01	NONE		FLARE	705
<i>1350</i>	R5121-01	NONE		FLARE	1350

**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.
August 8, 2024	02032	RN102181526

Emission Point ID No.	SOP Index No.	Emission Standard	Comb Device	95% Scrubber	PERF Test	Negative Pressure	Bypass Line
246	63FFFF-01	BLWFLR					
705	63FFFF-01	BLWFLR					
1100	63FFFF-01	BLWFLR					
1350	63FFFF-01	BLWFLR					

**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.
August 8, 2024	02032	RN102181526

Emission Point ID No.	SOP Index No.	Designated GRP1	Designated HAL	Determined HAL	Prior Eval	Assessment Waiver	Assessment Waiver ID	Negative Pressure	Bypass Line
<i>246</i>	63FFFF-01	YES	NO	NO	NO	NO		NO	NONE
<i>705</i>	63FFFF-01	YES	NO	NO	NO	YES	9/5/2008	NO	NONE
<i>1100</i>	63FFFF-01	YES	NO	NO	YES			NO	NONE
<i>1350</i>	63FFFF-01	YES	NO	NO	NO	NO		NO	NO

**Texas Commission on Environmental Quality  
 Polymer Manufacturing Attributes  
 Form OP-UA28 (Page 1)  
 Federal Operating Permit Program**

**Table 1a: Title 40 Code of Federal Regulations Part 60**

**Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Process ID No.	SOP Index No.	Manufactured Product	Continuous Process	Construction/Modification Date	Experimental Process Line	Modified After Applicability Date	Table 2 Threshold Emission Rates
PROFINSHG3	60DDD-01	PROPYL	YES	89+	NO		
PROFINSHG3	60DDD-02	PROPYL	YES	89+	NO		
PROMATRCV	60DDD-01	PROPYL	YES	89+	NO		
PROMATRCV	60DDD-02	PROPYL	YES	89+	NO		
PROMATRVG1	60DDD-01	PROPYL	YES	89+	NO		
PROMATRVG1	60DDD-02	PROPYL	YES	89+	NO		
PROMATRVG2	60DDD-01	PROPYL	YES	89+	NO		
PROMATRVG2	60DDD-02	PROPYL	YES	89+	NO		

**Texas Commission on Environmental Quality  
 Polymer Manufacturing Attributes  
 Form OP-UA28 (Page 1)  
 Federal Operating Permit Program**

**Table 1a: Title 40 Code of Federal Regulations Part 60**

**Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

PROREACTG3	60DDD-01	PROPYL	YES	89+	NO		
PROREACTG3	60DDD-02	PROPYL	YES	89+	NO		
PROREACTG3	60DDD-03	PROPYL	YES	89+	NO		
PRORMC22-2	60DDD-01	PROPYL	YES	87-89	NO		MORE
PRORMHEXA	60DDD-01	PROPYL	YES	89+	NO		
PROSTOREG3	60DDD-01	PROPYL	YES	87-89	NO		MORE

**Texas Commission on Environmental Quality  
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 Form OP-UA28 (Page 4)  
 Federal Operating Permit Program**

**Table 1d: Title 40 Code of Federal Regulations Part 60**

**Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Process ID No.	SOP Index No.	Polyolefin Production	Process Emissions	Uncontrolled Annual Emissions	Weight Percent TOC
PROFINSHG3	60DDD-01	1+	CONT	1.6+	0.1+
PROFINSHG3	60DDD-02	1+	CONT	1.6+	0.1-
PROMATRCV	60DDD-01	1+	INTER		
PROMATRCV	60DDD-02	1+	CONT	1.6+	0.1+
PROMATRVG1	60DDD-01	1+	INTER		
PROMATRVG1	60DDD-02	1+	CONT	1.6+	0.1+
PROMATRVG2	60DDD-01	1+	INTER		
PROMATRVG2	60DDD-02	1+	CONT	1.6+	0.1+
PROREACTG3	60DDD-01	1+	INTER		
PROREACTG3	60DDD-02	1+	CONT	1.6-	0.1-
PROREACTG3	60DDD-03	1+	CONT	1.6+	0.1+
PRORMC22-2	60DDD-01	1+	INTER		

**Texas Commission on Environmental Quality  
 Polymer Manufacturing Attributes  
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**Table 1d: Title 40 Code of Federal Regulations Part 60**

**Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Process ID No.	SOP Index No.	Polyolefin Production	Process Emissions	Uncontrolled Annual Emissions	Weight Percent TOC
PRORMHEXA	6oDDD-01	1+	INTER		
PROSTOREG3	6oDDD-01	1+	CONT	1.6+	0.1-

**Texas Commission on Environmental Quality  
 Polymer Manufacturing Attributes  
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**Table 1e: Title 40 Code of Federal Regulations Part 60**

**Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Process ID No.	SOP Index No.	Control of Continuous Emissions	Continuous Control Device	Control Device ID No.	Annual Emissions Entering the Control Device	Table 3 Control Requirements	Emission Reduction From Control Device
PROFINSHG3	60DDD-01	ALL	FLARE	705	CTE+		98+
PROFINSHG3	60DDD-02	NONE				NO	
PROMATRCV	60DDD-02	ALL	FLARE	705	CTE+		98+
PROMATRVG1	60DDD-02	ALL	FLARE	705	CTE+		98+
PROMATRVG2	60DDD-02	ALL	FLARE	705	CTE+		98+
PROREACTG3	60DDD-02	NONE				NO	
PROREACTG3	60DDD-03	ALL	FLARE	705	CTE+		98+
PROSTOREG3	60DDD-01	NONE				NO	

**Texas Commission on Environmental Quality  
 Polymer Manufacturing Attributes  
 Form OP-UA28 (Page 6)  
 Federal Operating Permit Program  
 Table 1f: Title 40 Code of Federal Regulations Part 60**

**Subpart DDD: Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry**

Date	Permit No.	Regulated Entity No.
August 8, 2024	O2032	RN102181526

Process ID No.	SOP Index No.	Emergency Vent	Existing Control Device	Intermittent Control Device	Control Device ID No.
PROMATRCV	60DDD-01	NO	NO	FLARE	246
PROMATRVG1	60DDD-01	NO	NO	FLARE	246
PROMATRVG2	60DDD-01	NO	NO	FLARE	246
PROREACTG3	60DDD-01	NO	NO	FLARE	246
PRORMC22-2	60DDD-01	NO	NO	FLARE	246
PRORMHEXA	60DDD-01	NO	NO	FLARE	246

**Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes  
Form OP-UA60 (Page 8)  
Federal Operating Permit Program**

**Table 5a: 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 - MCPU Processes**

<b>Date:</b> August 8, 2024	<b>Permit No.:</b> O2032	<b>Regulated Entity No.:</b> RN102181526
<b>Area Name:</b> L.P. Polyethylene & Catalyst Units		<b>Customer Reference No.:</b> CN601688781

Process ID No.	SOP Index No.	Ammonium Sulfate	Other Operations	63.100 CMPU	G2/<1000 Lb/Yr	2525E1
GRP-MCPU	63FFFF-01	NO	YES	NO	YES	NO
PROCATC	63FFFF-01	NO	YES	NO	NO	NO

**Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes  
Form OP-UA60 (Page 9)  
Federal Operating Permit Program**

**Table 5b: 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 - MCPU Processes**

<b>Date:</b> August 8, 2024	<b>Permit No.:</b> O2032	<b>Regulated Entity No.:</b> RN102181526
<b>Area Name:</b> L.P. Polyethylene & Catalyst Units		<b>Customer Reference No.:</b> CN601688781

Process ID No.	SOP Index No.	Startup 2003	Shared Batch Vent	PUG	Startup 2002	PP Alt	Cont Proc
GRP-MCPU	63FFFF-01	YES	NO	NO	YES	NO	
PROCATC	63FFFF-01	YES	NO	NO	YES	NO	

**Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes  
Form OP-UA60 (Page 10)  
Federal Operating Permit Program**

**Table 5c: 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 - MCPU Processes**

<b>Date:</b> August 8, 2024	<b>Permit No.:</b> O2032	<b>Regulated Entity No.:</b> RN102181526
<b>Area Name:</b> L.P. Polyethylene & Catalyst Units		<b>Customer Reference No.:</b> CN601688781

Process ID No.	SOP Index No.	>1000 Lb/Yr	Reduction	New Source	HAP Metals	Fabric Filter	Small CD	Design Eval	Batch Proc Vents
GRP-MCPU	63FFFF-01	NO		NO					NO
PROCATC	63FFFF-01	NO		NO					YES





# **Section 3 - Applicability Identification Forms**

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

Date:	August 8, 2024
Permit No.:	O2032
RN No.:	RN102181526

*For SOP applications, answer ALL questions unless otherwise directed.*

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

<b>Form OP-REQ1: Page 1</b>		
<b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter</b>		
<b>A. Visible Emissions</b>		
◆	1. The application area includes stationary vents constructed on or before January 31, 1972.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The application area includes stationary vents constructed after January 31, 1972. <i>If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6. If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. All stationary vents are addressed on a unit specific basis.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	6. The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	8. Emissions from units in the application area include contributions from uncombined water.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

Texas Commission on Environmental Quality  
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- ◆ For SOP applications, answer ALL questions unless otherwise directed.
- ◆ For GOP applications, answer ONLY these questions unless otherwise directed.

**Form OP-REQ1: Page 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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- ◆ For SOP applications, answer ALL questions unless otherwise directed.
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**Form OP-REQ1: Page 3**

**I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)**

<b>C. Emissions Limits on Nonagricultural Processes (continued)</b>		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
4.	The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
5.	The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.5 is "NO," go to Question I.C.7.</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
6.	All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
7.	The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
8.	The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.8 is "NO," go to Section I.D.</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9.	All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	<input type="checkbox"/> YES	<input type="checkbox"/> NO

**D. Emissions Limits on Agricultural Processes**

1.	The application area includes agricultural processes subject to 30 TAC § 111.171.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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**E. Outdoor Burning**

◆	1. Outdoor burning is conducted in the application area. <i>If the response to Question I.E.1 is "NO," go to Section II.</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
◆	2. Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	<input type="checkbox"/> YES	<input type="checkbox"/> 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.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
◆	4. Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	<input type="checkbox"/> YES	<input type="checkbox"/> NO

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- ◆ For SOP applications, answer ALL questions unless otherwise directed.
- ◆ For GOP applications, answer ONLY these questions unless otherwise directed.

**Form OP-REQ1: Page 4**

<b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)</b>		
<b>E. Outdoor Burning (continued)</b>		
◆	5. Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	6. Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	7. The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>II. Title 30 TAC Chapter 112 - Control of Air Pollution from Sulfur Compounds</b>		
<b>A. Temporary Fuel Shortage Plan Requirements</b>		
	1. The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds</b>		
<b>A. Applicability</b>		
◆	1. The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. <i>See instructions for inclusive counties. If the response to Question III.A.1 is "NO," go to Section IV.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>B. Storage of Volatile Organic Compounds</b>		
◆	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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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*For SOP applications, answer ALL questions unless otherwise directed.*

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

<b>Form OP-REQ1: Page 5</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>C. Industrial Wastewater</b>	
1. The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. <i>If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
2. The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. <i>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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question III.C.3 is "YES," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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). <i>If the response to Question III.C.4 is "YES," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Loading and Unloading of VOCs</b>	
◆ 1. The application area includes VOC loading operations.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. The application area includes VOC transport vessel unloading operations. <i>For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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*For SOP applications, answer ALL questions unless otherwise directed.*

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

<b>Form OP-REQ1: Page 6</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>D. Loading and Unloading of VOCs (continued)</b>	
◆ 3. Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities</b>	
◆ 1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. <i>If the response to Question III.E.1 is "NO," go to Section III.F.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. <i>If the response to Question III.E.2 and/or E.3 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area is located in a covered attainment county as defined in 30 TAC § 115.10. <i>If the response to Question III.E.4 is "NO," go to Question III.E.9.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 5. Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 6. Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 7. At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 100,000 gallons of gasoline in a calendar month after October 31, 2014. <i>If the response to Question III.E.7 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

**Texas Commission on Environmental Quality**  
**Application Area-Wide Applicability Determinations and General Information**  
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Date:	August 8, 2024
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*For SOP applications, answer ALL questions unless otherwise directed.*

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<b>Form OP-REQ1: Page 7</b>		
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>		
<b>E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)</b>		
◆	8. At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. <i>If the response to Question III.E.8 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)</b>		
◆	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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)</b>	
◆ 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>G. Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities</b>	
◆ 1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. <i>If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
◆ 2. The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes facilities that began construction prior to November 15, 1992. <i>If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 9</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>H. Control Of Reid Vapor Pressure (RVP) of Gasoline</b>	
◆ 1. The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. <i>If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes a motor vehicle fuel dispensing facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>I. Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries</b>	
1. The application area is located at a petroleum refinery.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>J. Surface Coating Processes (Complete this section for GOP applications only.)</b>	
◆ 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 10</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>K. Cutback Asphalt</b>	
1. Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. <i>If the response to Question III.K.1 is "N/A," go to Section III.L.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
3. Asphalt emulsion is used or produced within the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area is using an alternate control requirement as specified in 30 TAC § 115.513. <i>If the response to Question III.K.4 is "NO," go to Section III.L.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The applicant using cutback asphalt is a state, municipal, or county agency.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels</b>	
◆ 1. The application area includes degassing operations for stationary, marine, and/or transport vessels. <i>If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
◆ 2. Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. <i>If the response to Question III.L.2 is "YES," go to Section III.M.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 11</b>		
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>		
<b>L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)</b>		
◆	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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆	7. Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure $\geq$ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>M. Petroleum Dry Cleaning Systems</b>		
	1. The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 12</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>N. Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC))</b>	
1. The application area includes one or more vent gas streams containing HRVOC.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
2. The application area includes one or more flares that emit or have the potential to emit HRVOC. <i>If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. <i>If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area contains pressure relief valves that are not controlled by a flare.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area has at least one vent stream which has no potential to emit HRVOC.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>O. Cooling Tower Heat Exchange Systems (HRVOC)</b>	
1. The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 13</b>	
<b>IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds</b>	
<b>A. Applicability</b>	
◆ 1. The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. <i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H. 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.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. <i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes a utility electric generator in an east or central Texas county. <i>See instructions for a list of counties included. 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.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>B. Utility Electric Generation in Ozone Nonattainment Areas</b>	
1. The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 14</b>	
<b>IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)</b>	
<b>C. Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas</b>	
◆ 1. The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400.  <i>For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. The application area is located at a site that was a major source of NO <sub>x</sub> before November 15, 1992.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 3. The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Adipic Acid Manufacturing</b>	
1. The application area is located at, or part of, an adipic acid production unit.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>E. Nitric Acid Manufacturing - Ozone Nonattainment Areas</b>	
1. The application area is located at, or part of, a nitric acid production unit.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines</b>	
◆ 1. The application area is located at a site that is a minor source of NO <sub>x</sub> in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County).  <i>For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 15</b>	
<b>IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)</b>	
<b>F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)</b>	
◆ 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 5. The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. An ACSS for carbon monoxide (CO) has been approved?	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. An ACSS for ammonia (NH <sub>3</sub> ) has been approved?	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
<b>G. Utility Electric Generation in East and Central Texas</b>	
1. The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area is complying with the System Cap in 30 TAC § 117.3020.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>H. Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters</b>	
1. The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. <i>If the response to question IV.H.1 is "NO," go to Section V.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products</b>	
<b>A. Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings</b>	
1. The application area manufactures automobile refinishing coatings or coating components and sells or distributes these coatings or coating components in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area imports automobile refinishing coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. <i>If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. All automobile refinishing coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products</b>	
1. The application area manufactures consumer products for sale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area is a distributor of consumer products whose name appears on the label of one or more of the products. <i>If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 17</b>	
<b>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)</b>	
<b>C. Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings</b>	
1. The application area manufactures or imports architectural coatings for sale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. <i>If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings</b>	
1. The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is a distributor of aerosol coatings for resale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>E. Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers</b>	
1. The application area manufactures or imports portable fuel containers for sale or distribution in the United States. <i>If the response to Question V.E.1 is "NO," go to Section VI.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards</b>	
<b>A. Applicability</b>	
◆ 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. <i>If the response to Question VI.A.1 is "NO," go to Section VII.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 18</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>B. Subpart Y - Standards of Performance for Coal Preparation and Processing Plants</b>	
1. The application area is located at a coal preparation and processing plant. <i>If the response to Question VI.B.1 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). <i>If the response to Question VI.B.2 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. <i>If the response to Question VI.B.3 is "YES," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The plant contains an open storage pile, as defined in § 60.251, as an affected facility. <i>If the response to Question VI.B.4 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The open storage pile was constructed, reconstructed or modified after May 27, 2009.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)</b>	
◆ 1. The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. <i>If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. <i>If the response to Question VI.C.2 is "NO," go to Section VI.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 19</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)</b>	
◆ 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals</b>	
1. The application area includes bulk gasoline terminal loading racks. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO<sub>2</sub>) Emissions</b>	
◆ 1. The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). <i>For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. <i>For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. <i>For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 20</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO<sub>2</sub>) Emissions (continued)</b>	
◆ 4. Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. <i>For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	
<b>F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants</b>	
1. The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. <i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems</b>	
1. The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. <i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes storm water sewer systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 21</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes non-contact cooling water systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes individual drain systems. <i>If the response to Question VI.G.5 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes completely closed drain systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>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</b>	
◆ 1. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.H.4 is "NO," go to Section VI.I.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 22</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>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)</b>	
◆ 5. The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. <i>If the response to Question VI.H.5 is "NO," go to Question VI.H.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>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</b>	
◆ 1. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 23</b>		
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>		
<b>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)</b>		
◆	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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.I.4 is "NO," go to Section VI.J.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	5. The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. <i>If the response to Question VI.I.5 is "NO," go to VI.I.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 24</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>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</b>	
◆ 1. The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 5. The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. <i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 25</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)</b>	
<b>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)</b>	
◆ 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>K. Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution</b>	
◆ 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants</b>	
<b>A. Applicability</b>	
◆ 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. <i>If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>B. Subpart F - National Emission Standard for Vinyl Chloride</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>C. Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)</b>	
◆ 1. The application area includes equipment in benzene service.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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

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<b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)</b>	
<b>E. Subpart M - National Emission Standard for Asbestos (continued)</b>	
<b><i>Manufacturing Commercial Asbestos (continued)</i></b>	
c. Asbestos-containing waste material is processed into non-friable forms.	<input type="checkbox"/> YES <input type="checkbox"/> NO
d. Asbestos-containing waste material is adequately wetted.	<input type="checkbox"/> YES <input type="checkbox"/> NO
e. Alternative filtering equipment is being used that has received EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> 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	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Asbestos Spray Application</i></b>	
4. The application area includes operations in which asbestos-containing materials are spray applied. <i>If the response to Question VII.E.4 is "NO," go to Question VII.E.5.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. <i>If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	<input type="checkbox"/> YES <input type="checkbox"/> NO
c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)</b>	
<b>E. Subpart M - National Emission Standard for Asbestos (continued)</b>	
<b><i>Fabricating Commercial Asbestos (continued)</i></b>	
f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Non-sprayed Asbestos Insulation</i></b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Asbestos Conversion</i></b>	
7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations</b>	
1. The application area is located at a benzene production facility and/or bulk terminal. <i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes benzene transfer operations at marine vessel loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)</b>	
<b>G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)</b>	
3. The application area includes benzene transfer operations at railcar loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes benzene transfer operations at tank-truck loading racks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>H. Subpart FF - National Emission Standard for Benzene Waste Operations</b>	
<b>Applicability</b>	
1. The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. <i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 31</b>	
<b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)</b>	
<b>H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)</b>	
<b>Applicability (continued)</b>	
6. The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area has waste streams with flow-weighted annual average water content of 10% or greater.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Waste Stream Exemptions</b>	
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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The application area transfers waste off-site for treatment by another facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area is complying with 40 CFR § 61.342(d).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area is complying with 40 CFR § 61.342(e). <i>If the response to Question VII.H.13 is "NO," go to Question VII.H.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area has facility waste with a flow weighted annual average water content of less than 10%.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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<b>Form OP-REQ1: Page 34</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>B. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (continued)</b>	
2. The application area is located at a site that includes at least one chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii). <i>If the response to Question VIII.B.2 is "NO," go to Section VIII.D.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
5. The application area includes a chemical manufacturing process unit, as defined in 40 CFR § 63.101, that manufactures as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii) and does <u>not</u> use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. <i>If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 35</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>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</b>	
<b>Applicability</b>	
1. The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. <i>If the response to Question VIII.C.1 is "NO," go to Section VIII.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. <i>If the response to Question VIII.C.3 is "NO," go to Question VIII.C.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	<input type="checkbox"/> YES <input type="checkbox"/> 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. <i>If the response to Question VIII.C.5 is "NO," go to Question VIII.C.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Vapor Collection and Closed Vent Systems</b>	
6. Flow indicators are installed, calibrated, maintained, and operated at the entrances to bypass lines in the application area.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 36</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>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)</b>	
<b><i>Reloading or Cleaning of Railcars, Tank Trucks, or Barges</i></b>	
8. The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. <i>If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Transfer Racks</i></b>	
11. The application area includes Group 1 transfer racks that load organic HAPs.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Process Wastewater Streams</i></b>	
12. The application area includes process wastewater streams. <i>If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. <i>If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. <i>If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 37</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>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)</b>	
<b>Process Wastewater Streams (continued)</b>	
16. The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. <i>If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
21. The application area includes process wastewater streams, located at existing sources that are Group 2.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

**C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)**

**Process Wastewater Streams (continued)**

24.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
25.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
28.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 39</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>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)</b>	
<b><i>Drains</i></b>	
31. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
34. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). <i>If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
35. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). <i>If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 40</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>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)</b>	
<b>Drains (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Gas Streams</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks</b>	
1. The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>E. Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities</b>	
1. The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. <i>If the response to Question VIII.E.1 is "NO," go to Section VIII.F.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. <i>If the response to Question VIII.E.2 is "NO," go to Section VIII.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>F. Subpart Q - National Emission Standards for Industrial Process Cooling Towers</b>	
1. The application area includes industrial process cooling towers. <i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Chromium-based water treatment chemicals have been used on or after September 8, 1994.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)</b>	
1. The application area includes a bulk gasoline terminal.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes a pipeline breakout station. <i>If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. <i>If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 43</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>H. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry</b>	
1. The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. <i>If the response to Question VIII.H.1 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). <i>If the response to Question VIII.H.2 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. <i>If the response to Question VIII.H.3 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes one or more kraft pulping systems that are existing sources.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. <i>If the response to Question VIII.H.6 is "NO," go to Section VIII.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 44</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins</b>	
1. The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. <i>If the response to Question VIII.J.1 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. <i>If the response to Question VIII.J.2 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)</b>	
5. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 46</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)</b>	
<b>Containers</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Drains</b>	
12. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. <i>If the response to Question VIII.J.15 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). <i>If the response to Question VIII.J.16 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 47</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)</b>	
<b>Drains (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>K. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production</b>	
1. The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. <i>If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area includes a BLR and/or WSR research and development facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 48</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>L. Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting</b>	
1. The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. <i>If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>M. Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries</b>	
<b>Applicability</b>	
1. The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). <i>If the response to Question VIII.N.1 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). <i>If the response to Question VIII.N.2 is "YES," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)</b>	
<b>Applicability (continued)</b>	
3. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). <i>If the response to Question VIII.N.3 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. <i>If the response to Question VIII.N.4 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. <i>If the response to Question VIII.N.7 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 50</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)</b>	
<b>Applicability (continued)</b>	
9. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). <i>If the response to Question VIII.N.9 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Containers, Drains, and other Appurtenances</b>	
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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations</b>	
1. The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). <i>If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 51</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)</b>	
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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.”	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The predominant activity in the application area is the treatment of wastewater received from off-site.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. <i>If the response to Question VIII.O.10 is “YES,” go to Section VIII.P.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)</b>	
11. The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. <i>If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. VOHAP concentration is determined by direct measurement.	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. VOHAP concentration is based on knowledge of the off-site material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. <i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes containers that manage non-exempt off-site material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes individual drain systems that manage non-exempt off-site materials.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 53</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>P. Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities</b>	
1. The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. <i>If the response to Question VIII.P.1 is "NO" or "N/A," go to Section VIII.Q.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Q. Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.</b>	
◆ 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The application area contains facilities that process, upgrade or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user. <i>For SOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.R.</i> <i>For GOP applications, if the responses to Questions VIII.Q.1 and VIII.Q.2 are both "NO," go to Section VIII.Z.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 3. The application area contains only facilities that exclusively process, store or transfer black oil as defined in § 63.761. <i>For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.Z.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area is located at a site that is a major source of HAP. <i>If the response to Question VIII.Q.4 is "NO," go to Question VIII.Q.6.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)</b>	
◆ 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 <sup>3</sup> ) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. <i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R. 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.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 6. The application area includes a triethylene glycol (TEG) dehydration unit. <i>For SOP applications, if the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 55</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>R. Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)</b>	
1. The application area includes shipbuilding or ship repair operations. <i>If the response to Question VIII.R.1 is "NO," go to Section VIII.S.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>S. Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations</b>	
1. The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. <i>If the response to Question VIII.S.1 is "NO" or "N/A," go to Section VIII.T.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>T. Subpart KK - National Emission Standards for the Printing and Publishing Industry</b>	
1. The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>U. Subpart PP - National Emission Standards for Containers</b>	
1. The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. <i>If the response to Question VIII.U.1 is "NO," go to Section VIII.V.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes containers using Container Level 1 controls.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes containers using Container Level 2 controls.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 56</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>U. Subpart PP - National Emission Standards for Containers (continued)</b>	
4. The application area includes containers using Container Level 3 controls.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>V. Subpart RR - National Emission Standards for Individual Drain Systems</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. <i>If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 57</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 58</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 59</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area includes an ethylene production process unit.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
21. The application area includes waste streams generated from an ethylene production process unit. <i>If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
22. The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). <i>If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
23. Waste stream(s) are transferred off-site for treatment. <i>If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
24. The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. <i>If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 60</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
26. The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). <i>If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
27. The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. <i>If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
28. The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). <i>If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
29. The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
30. The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. <i>If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 61</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
32. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. <i>If the response to Question VIII.W.32 is required, go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
33. The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. <i>If the response to Question VIII.W.33 is "NO," go to Question VIII.W.36.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
34. The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. <i>If the response to Question VIII.W.34 is "YES," go to Question VIII.W.36.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
35. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	<input type="checkbox"/> YES <input type="checkbox"/> NO
36. The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. <i>If the response to Question VIII.W.36 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
37. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VIII.W.37 is "YES," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 62</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
38. The application area has individual drain systems complying with 40 CFR § 61.346(a). <i>If the response to Question VIII.W.38 is "NO," go to Question VIII.W.40.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
40. The application area has individual drain systems complying with 40 CFR § 61.346(b). <i>If the response to Question VIII.W.40 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
42. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	<input type="checkbox"/> YES <input type="checkbox"/> NO
43. The application area has at least one waste stream that contains benzene. <i>If the response to Question VIII.W.43 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
44. The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. <i>If the response to Question VIII.W.44 is "NO," go to Question VIII.W.47.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
45. The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. <i>If the response to Question VIII.W.45 is "YES," go to Question VIII.W.47.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 63</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
46. Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	<input type="checkbox"/> YES <input type="checkbox"/> NO
47. The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. <i>If the response to Question VIII.W.47 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
48. The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. <i>If the response to Question VIII.W.48 is "YES," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
49. The application area has individual drain systems complying with 40 CFR § 61.346(a). <i>If the response to Question VIII.W.49 is "NO," go to Question VIII.W.51.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
51. The application area has individual drain systems complying with 40 CFR § 61.346(b). <i>If the response to Question VIII.W.51 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 64</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
53. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	<input type="checkbox"/> YES <input type="checkbox"/> NO
54. The application area contains a cyanide chemicals manufacturing process. <i>If the response to Question VIII.W.54 is "NO," go to Section VIII.X.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
55. The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins</b>	
1. The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. <i>If the response to Question VIII.X.1 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. <i>If the response to Question VIII.X.2 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. All process wastewater streams generated or managed in the application area are from sources producing polystyrene. <i>If the response to Question VIII.X.3 is "YES," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. <i>If the response to Question VIII.X.4 is "YES," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Containers</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Drains</b>	
15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a thermoplastic product process unit. <i>If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 67</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>	
<b>Drains (continued)</b>	
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). <i>If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 68</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Z. Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.</b>	
◆ 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)</b>	
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).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. <i>If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. <i>If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
5. The application area includes process wastewater streams. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 70</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). <i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. <i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
19. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 71</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
22. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). <i>If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
23. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). <i>If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 72</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
<b>BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation</b>	
1. The application area includes a facility at which a site remediation is conducted. <i>If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area is located at a site that is a major source of HAP. <i>If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
3. All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). <i>If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. <i>If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
5. The site remediation will be completed within 30 consecutive calendar days.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
6. No site remediation will exceed 30 consecutive calendar days. <i>If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
7. Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
8. All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. <i>If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 73</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)</b>	
9. The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. <i>If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The application area includes containers with a capacity greater than 0.46 m <sup>3</sup> that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities</b>	
1. The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. <i>If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The EAF steelmaking facility is a research and development facility. <i>If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. Metallic scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Scrap containing motor vehicle scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Scrap not containing motor vehicle scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 74</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>EE. Subpart BBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities</b>	
1. The application area is located at a site that is an area source of HAPs. <i>If the answer to Question EE.1 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBB.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBB. <i>If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.</i>	<input type="checkbox"/> YES <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. <i>If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The bulk gasoline terminal has throughput of less than 250,000 gallons per day. <i>If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The bulk gasoline terminal loads gasoline into railcar cargo tanks. <i>If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>EE. Subpart BBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)</b>	
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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>FF. Subpart CCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities</b>	
◆ 1. The application area is located at a site that is an area source of hazardous air pollutants. <i>If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. <i>If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>GG. Recently Promulgated 40 CFR Part 63 Subparts</b>	
◆ 1. The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. <i>If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	

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<b>IX. Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions</b>	
<b>A. Applicability</b>	
◆ 1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone</b>	
<b>A. Subpart A - Production and Consumption Controls</b>	
◆ 1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>B. Subpart B - Servicing of Motor Vehicle Air Conditioners</b>	
◆ 1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances</b>	
◆ 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>D. Subpart D - Federal Procurement</b>	
◆ 1. The application area is owned/operated by a department, agency, or instrumentality of the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>E. Subpart E - The Labeling of Products Using Ozone Depleting Substances</b>	
◆ 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)</b>	
<b>F. Subpart F - Recycling and Emissions Reduction</b>	
◆ 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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 3. The application area manufactures appliances or refrigerant recycling and recovery equipment.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>G. Subpart G - Significant New Alternatives Policy Program</b>	
◆ 1. The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. <i>If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>H. Subpart H -Halon Emissions Reduction</b>	
◆ 1. Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. Disposal of halons or manufacturing of halon blends is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>XI. Miscellaneous</b>	
<b>A. Requirements Reference Tables (RRT) and Flowcharts</b>	
1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 78</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>B. Forms</b>	
◆ 1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. <i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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.	
<b>C. Emission Limitation Certifications</b>	
◆ 1. The application area includes units for which federally enforceable emission limitations have been established by certification.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements</b>	
1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. <i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. <i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 79</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>E. Title IV - Acid Rain Program</b>	
1. The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>F. 40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO<sub>x</sub> Ozone Season Group 2 Trading Program</b>	
1. The application area includes emission units subject to the requirements of the CSAPR NO <sub>x</sub> Ozone Season Group 2 Trading Program. <i>If the response to Question XI.F.1 is "NO," go to Question XI.F.7.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO <sub>x</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>x</sub> , and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>x</sub> , and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>x</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>x</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes emission units that qualify for the CSAPR NO <sub>x</sub> Ozone Season Group 2 retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 80</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>G. 40 CFR Part 97, Subpart FFFFF - Texas SO<sub>2</sub> Trading Program</b>	
1. The application area includes emission units complying with the requirements of the Texas SO <sub>2</sub> Trading Program. <i>If the response to Question XI.G.1 is "NO," go to Question XI.G.6.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO <sub>2</sub> and 40 CFR Part 75, Subpart H for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>2</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>2</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> 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 <sub>2</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes emission units that qualify for the Texas SO <sub>2</sub> Trading Program retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>H. Permit Shield (SOP Applicants Only)</b>	
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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 81</b>		
<b>XI. Miscellaneous (continued)</b>		
<b>I. GOP Type (Complete this section for GOP applications only)</b>		
◆	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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>J. Title 30 TAC Chapter 101, Subchapter H</b>		
◆	1. The application area is located in a nonattainment area. <i>If the response to Question XI.J.1 is "NO," go to question XI.J.3.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆	3. The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 82</b>		
<b>XI. Miscellaneous (continued)</b>		
<b>J. Title 30 TAC Chapter 101, Subchapter H (continued)</b>		
◆	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 <sub>x</sub> .	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>K. Periodic Monitoring</b>		
◆	1. The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. All periodic monitoring requirements are being removed from the permit with this application.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 83</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>L. Compliance Assurance Monitoring</b>	
◆ 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. <i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. <i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 8. All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 84</b>		
<b>XI. Miscellaneous (continued)</b>		
<b>L. Compliance Assurance Monitoring (continued)</b>		
◆	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.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	12. The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>M. Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times</b>		
◆	1. The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. <i>If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>XII. New Source Review (NSR) Authorizations</b>		
<b>A. Waste Permits with Air Addendum</b>		
◆	1. The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 85</b>		
<b>XII. New Source Review (NSR) Authorizations (continued)</b>		
<b>B. Air Quality Standard Permits</b>		
◆	1. The application area includes at least one Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	3. The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	6. The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	8. The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	9. The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	10. The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 86</b>	
<b>XII. New Source Review (NSR) Authorizations (continued)</b>	
<b>B. Air Quality Standard Permits (continued)</b>	
◆ 11. The application area includes at least one “Rock Crusher” Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 12. The application area includes at least one “Electric Generating Unit” Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.12 is “NO,” go to Question XII.B.15.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 13. For purposes of “Electric Generating Unit” Air Quality Standard Permit, the application area is located in the East Texas Region.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 14. For purposes of “Electric Generating Unit” Air Quality Standard Permit, the application area is located in the West Texas Region.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 15. The application area includes at least one “Boiler” Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 16. The application area includes at least one “Sawmill” Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>C. Flexible Permits</b>	
1. The application area includes at least one Flexible Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>D. Multiple Plant Permits</b>	
1. The application area includes at least one Multi-Plant Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>			
<b>E. PSD Permits and PSD Major Pollutants</b>			
PSD Permit No.: PSDTX118M4	Issuance Date: 02/11/2004	Pollutant(s): CO, NOx, VOC	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
<i>If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>F. Nonattainment (NA) Permits and NA Major Pollutants</b>			
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):	
<i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>			
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:
◆ <b>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</b>			
Authorization No.: 1567	Issuance Date: 05/03/2024	Authorization No.: 6141A	Issuance Date: 10/05/2023
Authorization No.: 18773	Issuance Date: 06/09/2015	Authorization No.: 6361	Issuance Date: 05/03/2024
Authorization No.: 3639	Issuance Date: 05/03/2024	Authorization No.: 78664	Issuance Date: 08/06/2024
Authorization No.: 147336	Issuance Date: 07/25/2017	Authorization No.: 168899	Issuance Date: 05/11/2022
Authorization No.: 168900	Issuance Date: 05/09/2022	Authorization No.:	Issuance Date:

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<b>Form OP-REQ1: Page 88</b>	
<b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>	
◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR 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: 03/14/1997
PBR No.: 106.262	Version No./Date: 12/24/1998
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 34	Version No./Date: 08/11/1989
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

**Applicable Requirements Summary  
Form OP-REQ3 (Page 1)  
Federal Operating Permit Program  
Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
5	1100	OP-UA15	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2455(a)-Table 1.1.a.ii, 63.11(b), 63.2450(b), 63.2455(a)-(b), (b)(1), <del>63.982(b)</del> , 63.983(a)(1)-(2), (d)(1), 63.983(d)(1)(i), [G](d)(2), (d)(3), <del>63.987(a), 63.997(b)(1), (c)(3)</del> , <b>63.2450(a)(2), (e)(4)-(6), (k)(8), (u), 63.2535(m)(1)-(2)</b>
5	1100	OP-UA15	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	<b>115.122(c)(1), 115.121(c)(1), 115.122(c)(1)(B), 60.18</b>
5	1350	OP-UA15	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2455(a)-Table 1.1.a.ii, 63.11(b), 63.2450(b), 63.2455(a)-(b), (b)(1), <del>63.982(b)</del> , 63.983(a)(1)-(2), (d)(1), 63.983(d)(1)(i), [G](d)(2), (d)(3), <del>63.987(a), (b)(1), (b)(3), [G]63.997(c)(1), (c)(3)</del> , <b>63.2450(a)(2), 63.2450(e)(4)-(6), (k)(8), (u), 63.2535(m)(1)-(2)</b>
5	1350	OP-UA15	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	<b>115.122(c)(1), 115.121(c)(1), 115.122(c)(1)(B), 60.18</b>

**Applicable Requirements Summary  
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Federal Operating Permit Program  
Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
5	246	<i>OP-UA15</i>	<i>63FFFF-01</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart FFFF</i>	63.2455(a)-Table 1.1.a.ii, 63.11(b), 63.2450(b), 63.2455(a)-(b), (b)(1), <del>63.982(b)</del> , 63.983(a)(1)-(2), (d)(1), 63.983(d)(1)(i), [G](d)(2), (d)(3), 63.987(a), (b)(1), (b)(3), [G]63.997(c)(1), <del>(e)(3)</del> , <i>63.2450(a)(2), 63.2450(e)(4)-(6), (k)(8), (u), 63.2535(m)(1)-(2)</i>
5	246	<i>OP-UA15</i>	<i>R5121-01</i>	<i>VOC</i>	<i>30 TAC Chapter 115, Vent Gas Controls</i>	<i>115.122(c)(1), 115.121(c)(1), 115.122(c)(1)(B), 60.18</i>
5	705	<i>OP-UA15</i>	<i>63FFFF-01</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart FFFF</i>	63.2455(a)-Table 1.1.a.ii, 63.11(b), 63.2450(b), 63.2455(a)-(b), (b)(1), <del>63.982(b)</del> , 63.983(a)(1)-(2), (d)(1), 63.983(d)(1)(i), [G](d)(2), (d)(3), 63.987(a), <del>63.997(b)(2)-(3), (e)(3)</del> , <i>63.2450(a)(2), (e)(4)-(6), (k)(8), (u), 63.2535(m)(1)-(2)</i>
5	705	<i>OP-UA15</i>	<i>R5121-01</i>	<i>VOC</i>	<i>30 TAC Chapter 115, Vent Gas Controls</i>	<i>115.122(c)(1), 115.121(c)(1), 115.122(c)(1)(B), 60.18</i>
3	C-4501	OP-UA3	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2470(a)-Table 4.1.b.iii, 63.11(b), 63.2450(b), 63.2470(a), (d), <del>63.982(b)</del> , 63.983(a)(1)-(2), (d)(1), (d)(1)(i), [G](d)(2), 63.983(d)(3), <del>63.987(a), (b)(1), (b)(3)</del> , [G]63.997(c)(1), <del>(e)(3)</del> , <i>63.2450(a)(2), 63.2450(e)(4)-(6), (k)(8), (u), 63.2535(m)(1)-(2)</i>

**Applicable Requirements Summary  
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Federal Operating Permit Program  
Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

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	GRP-MCPU	OP-UA60	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2440(a), 63.2450(a), (a)(2), (e)(4), 63.2450(g)(7), (k)(8), (t), (t)-(v)
6	LPPEFUG	OP-UA1	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2480(a)-Table 6.1.a.ii, 63.162(a), (c), [G]63.162(g), (h), [G]63.171, 63.2435(a)-(b), (b)(1), (b)(1)(i)-(ii), 63.2435(b)(2)-(3), 63.2440(a)-(b), 63.2445(b), (d), (g), (g)(1), (g)(4), (h), 63.2450(a), (a)(2), (g)(7), 63.2480(a)-(b), (b)(3), (b)(5)-(6), (e), 63.2480(e)(1), (e)(2)(ii), [G](e)(3)-(7), 63.2480(f)(1)-(3), [G]63.2535(k), 63.2540, 63.2480(a)
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Connectors in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Valves in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Agitators in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Instrumentation Systems)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pressure Relief Device in Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>

**Applicable Requirements Summary  
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Federal Operating Permit Program  
Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

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)
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Surge Control Vessels and Bottoms Receivers)</i>	<i>63.170, 63.162(a), (c), [G](g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Agitators in Gas/Vapor and Light Liquid Service)</i>	<i>[G]63.173, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Connectors in Gas/Vapor Service)</i>	<i>[G]63.174, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pumps in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (HAP service less than 300 hours per year)</i>	<i>63.162(e), 63.162(a), (c), [G](g), (h)</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Compressors)</i>	<i>[G]63.164, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pressure Relief Devices in Gas/Vapor Service)</i>	<i>[G]63.165, 63.162(a), (c), [G](g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Sampling Connection Systems)</i>	<i>[G]63.166, 63.162(a), (c), [G](g), (h), [G]63.171</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Valves in Gas/Vapor and Light Liquid Service)</i>	<i>[G]63.168, 63.162(a), (c), [G](f)-(g), (h), [G]63.171, [G]63.175</i>

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Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

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)
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Open-ended Valves or Lines)</i>	<i>[G]63.167, 63.162(a), (c), [G](g), (h), [G]63.171, [G]63.175</i>
7	<i>LPPEFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pumps in Light Liquid Service)</i>	<i>[G]63.163, 63.162(a), (c), [G](f)-(g), (h), [G]63.171, [G]63.176</i>
6	PRODFUG	OP-UA1	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	<i>63.2480(a)-Table 6.1.a.ii, 63.162(a), (c), [G]63.162(g), (h), [G]63.171, 63.2435(a)-(b), (b)(1), (b)(1)(i)-(ii), 63.2435(b)(2)-(3), 63.2440(a)-(b), 63.2445(b), (d), (g), (g)(1), (g)(4), (h), 63.2450(a), (a)(2), (g)(7), 63.2480(a)-(b), (b)(3), (b)(5)-(6), (e), 63.2480(e)(1), (e)(2)(ii), [G](e)(3)-(7), 63.2480(f)(1)-(3), [G]63.2535(k), 63.2540, 63.2480(a)</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Connectors in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Valves in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Agitators in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Instrumentation Systems)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>

**Applicable Requirements Summary  
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Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

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)
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pressure Relief Device in Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Surge Control Vessels and Bottoms Receivers)</i>	<i>63.170, 63.162(a), (c), [G](g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Agitators in Gas/Vapor and Light Liquid Service)</i>	<i>[G]63.173, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Connectors in Gas/Vapor Service)</i>	<i>[G]63.174, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pumps in Heavy Liquid Service)</i>	<i>[G]63.169, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (HAP service less than 300 hours per year)</i>	<i>63.162(e), 63.162(a), (c), [G](g), (h)</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Compressors)</i>	<i>[G]63.164, 63.162(a), (c), [G](f)-(g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pressure Relief Devices in Gas/Vapor Service)</i>	<i>[G]63.165, 63.162(a), (c), [G](g), (h), [G]63.171</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Sampling Connection Systems)</i>	<i>[G]63.166, 63.162(a), (c), [G](g), (h), [G]63.171</i>

**Applicable Requirements Summary  
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Federal Operating Permit Program  
Table 1a: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

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)
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Valves in Gas/Vapor and Light Liquid Service)</i>	<i>[G]63.168, 63.162(a), (c), [G](f)-(g), (h), [G]63.171, [G]63.175</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Open-ended Valves or Lines)</i>	<i>[G]63.167, 63.162(a), (c), [G](g), (h), [G]63.171, [G]63.175</i>
7	<i>PRODFUG</i>	<i>OP-UA12</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>40 CFR Part 63, Subpart H (Pumps in Light Liquid Service)</i>	<i>[G]63.163, 63.162(a), (c), [G](f)-(g), (h), [G]63.171, [G]63.176</i>
3	PROCATB	OP-UA60	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2460(a), 63.11(b), 63.2450(b), 63.2460(a)-Table 2.1.c, (b), (c)(7), <del>63.982(b)</del> , 63.983(a)(1)-(2), 63.983(d)(1), 63.983(d)(1)(i), [G](d)(2), (d)(3), <del>63.987(a), 63.987(b)(1), 63.987(b)(3)</del> , [G]63.997(e)(1), 63.997(e)(3), <i>63.2450(a)(2), (e)(4)-(6), (k)(8), (u), 63.2535(m)(1)-(2)</i>
3	PROCATC	OP-UA60	63FFFF-01	HAPS	40 CFR Part 63, Subpart FFFF	63.2440(a), 63.2450(a), <del>(h)</del> , 63.2460(c)(1), <i>63.2450(a)(2), (e)(4), (g)(7), (k)(8), (t)-(v)</i>

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Federal Operating Permit Program  
Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
5	1100	63FFFF-01	HAPS	[G]63.115(d)(2)(v), (d)(3)(iii), 63.983(b), [G](b)(1)-(3), [G](c)(1), 63.983(c)(2)-(3), (d)(1), (d)(1)(ii), 63.987(e) § 63.997(b) § 63.997(b)(1) § 63.997(e)(2) § 63.997(e)(3) § 63.997(e)(3)(i) § 63.997(e)(3)(ii)	63.2450(f)(2), (f)(2)(i)-(ii), 63.983(b), [G](d)(2), 63.987(e), 63.998(a)(1)(ii), (a)(1)(iii)(A)-(B), [G]63.998(b)(1), [G](b)(2)-(3), [G]63.998(b)(5), [G](d)(1), 63.998(d)(3)(i)-(ii), (d)(5), 63.2450(k)(1)(ii), (k)(7), 63.2525(m)-(n), 63.983(b)(3)(ii), 63.998(b)(2)(i)-(ii)	63.2450(f)(2)(ii), (q), 63.997(b)(1), (c)(3), 63.998(a)(1)(iii)(A), [G](b)(3), [G]63.999(a)(1), (b)(5), (c)(1), 63.999(c)(2)(i), (e)(3), (e)(6), [G]63.999(e)(6)(i), (e)(6)(iv), [G]63.999(d)(1)-(2), 63.2520(d)(3), (e)(11)-(12)
5	1100	R5121-01	VOC	[G]115.125, 115.126(2)	115.126, (2)	NONE
5	1350	63FFFF-01	HAPS	[G]63.115(d)(2)(v), (d)(3)(iii), 63.983(b), [G](b)(1)-(3), [G](c)(1), 63.983(c)(2)-(3), (d)(1), (d)(1)(ii), [G]63.987(b)(3)(i), (b)(3)(ii)-(iv), 63.987(e), 63.997(a), [G](e)(1), 63.997(e)(2)-(3), (e)(3)(i)-(ii)	63.2450(f)(2), (f)(2)(i)-(ii), 63.983(b), [G]63.983(d)(2), 63.987(b)(1), (e), 63.998(a)(1), [G]63.998(a)(1)(i), (a)(1)(ii), 63.998(a)(1)(iii)(A)-(B), [G](b)(1), [G]63.998(b)(2)-(3), [G](b)(5), [G]63.998(d)(1), (d)(3)(i)-(ii), 63.998(d)(5), 63.2450(k)(1)(ii), 63.2450(k)(7), 63.2525(m)-(n), 63.983(b)(3)(ii), 63.998(b)(2)(i)-(ii)	63.2450(f)(2)(ii), (q), 63.987(b)(1), 63.997(e)(3), 63.998(a)(1)(iii)(A), [G](b)(3), [G]63.999(a)(1)-(2), (b)(5), (c)(1), 63.999(c)(2)(i), (e)(3), (e)(6), [G]63.999(e)(6)(i), (e)(6)(iv), [G]63.999(d)(1)-(2), (d)(3), 63.2520(e)(11)-(12)
5	1350	R5121-01	VOC	[G]115.125, 115.126(2)	115.126, (2)	NONE

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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
5	246	63FFFF-01	HAPS	[G]63.115(d)(2)(v), (d)(3)(iii), 63.983(b), [G](b)(1)-(3), [G](c)(1), 63.983(c)(2)-(3), (d)(1), (d)(1)(ii), [G]63.987(b)(3)(i), (b)(3)(ii)-(iv), 63.987(e), 63.997(a), [G](e)(1), 63.997(e)(2)-(3), (e)(3)(i)-(ii)	63.2450(f)(2), (f)(2)(i)-(ii), 63.983(b), [G]63.983(d)(2), 63.987(b)(1), (e), 63.998(a)(1), [G]63.998(a)(1)(i), (a)(1)(ii), 63.998(a)(1)(iii)(A)-(B), [G](b)(1), [G]63.998(b)(2)-(3), [G](b)(5), [G]63.998(d)(1), (d)(3)(i)-(ii), 63.998(d)(5), 63.2450(k)(1)(ii), 63.2450(k)(7), 63.2525(m)-(n), 63.983(b)(3)(ii), 63.998(b)(2)(i)-(ii)	63.2450(f)(2)(ii)-(q), 63.987(b)(1), 63.997(e)(3), 63.998(a)(1)(iii)(A), [G](b)(3), [G]63.999(a)(1)-(2), (b)(5), (c)(1), 63.999(c)(2)(i), (e)(3), (e)(6), [G]63.999(e)(6)(i), (e)(6)(iv) [G]63.999(d)(1)-(2), (d)(3), 63.2520(e)(11)-(12)
5	246	R5121-01	VOC	[G]115.125, 115.126(2)	115.126, (2)	NONE
5	705	63FFFF-01	HAPS	[G]63.115(d)(2)(v), (d)(3)(iii), 63.983(b), [G](b)(1)-(3), [G](c)(1), 63.983(c)(2)-(3), (d)(1), (d)(1)(ii), 63.987(e), 63.997(b), (e)(2)-(3), 63.997(e)(3)(i)-(ii)	63.2450(f)(2), (f)(2)(i)-(ii), 63.983(b), [G]63.983(d)(2), 63.987(e), 63.998(a)(1)(ii), 63.998(a)(1)(iii)(A)-(B), [G](b)(1), [G]63.998(b)(2)-(3), [G](b)(5), [G]63.998(d)(1), (d)(3)(i)-(ii), 63.998(d)(5), 63.2450(k)(1)(ii), 63.2450(k)(7), 63.2525(m)-(n), 63.983(b)(3)(ii), 63.998(b)(2)(i)-(ii)	63.2450(f)(2)(ii)-(q), 63.987(b)(2), 63.997(e)(3), 63.998(a)(1)(iii)(A), [G](b)(3), [G]63.999(a)(1), (b)(5), (c)(1), 63.999(c)(2)(i), (e)(3), (e)(6), [G]63.999(e)(6)(i), (e)(6)(iv) [G]63.999(d)(1)-(2), (d)(3), 63.2520(e)(11)-(12)
5	705	R5121-01	VOC	[G]115.125, 115.126(2)	115.126, (2)	NONE

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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
3	C-4501	63FFFF-01	HAPS	[G]63.115(d)(2)(v), (d)(3)(iii), 63.2470(c)(1), 63.983(b), [G]63.983(b)(1)-(3), [G](c)(1), 63.983(c)(2)-(3), (d)(1), (d)(1)(ii), [G]63.987(b)(3)(i), (b)(3)(ii)-(iv), 63.987(c), 63.997(a), [G](e)(1), 63.997(c)(2)-(3), (e)(3)(i)-(ii)	63.2450(f)(2), (f)(2)(i)-(ii), 63.2470(c)(1), 63.983(b), [G]63.983(d)(2), 63.987(e), 63.998(a)(1), [G](a)(1)(i), (a)(1)(ii) 63.998(a)(1)(iii)(A)-(B), [G]63.998(b)(1)-(2), [G](b)(3), [G]63.998(b)(5), [G](c)(1), [G]63.998(d)(1), (d)(3)(i)-(ii), 63.998(d)(5), <b>63.2450(k)(1)(ii), 63.2450(k)(7), 63.2525(m)-(n), 63.983(b)(3)(ii), 63.998(b)(2)(i)-(ii)</b>	63.2450(f)(2)(ii), 63.2450(q), 63.2470(d), 63.997(e)(3), 63.998(a)(1)(iii)(A), [G](b)(3), [G]63.999(a)(1)-(2), (b)(5), (c)(1), 63.999(c)(2)(i), (e)(3), (e)(6), [G]63.999(e)(6)(i), (e)(6)(iv), [G]63.999(d)(1)-(2), <b>63.2520(d)(3), (e)(11)-(12)</b>
3	GRP-MCPU	63FFFF-01	HAPS	63.2445(d), <b>63.2450(g)(6)</b>	63.2525, (a), [G](b), (c), (e), 63.2525(e)(2)-(3), [G](e)(4), (f), 63.2525(j), (p)	63.2435(d), 63.2445(c), 63.2450(g)(5), (m), (m)(1)-(2), 63.2515(a), (b)(1), (c), 63.2520(a), [G]63.2520(b)-(d), (e), (e)(1), [G]63.2520(e)(10), (e)(2)-(3), 63.2520(e)(4), (e)(5), (e)(5)(i), [G]63.2520(e)(5)(ii)-(iii), 63.2520(e)(5)(iv), (e)(6), (e)(7), 63.2520(e)(9), <b>(e)(14)</b>

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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
6	LPPEFUG	63FFFF-01	HAPS	<i>[G]63.180(b)-(d), 63.2480(b)(7), 63.2480(e)(2)(ii), [G](e)(2)-(5)</i> General High-Level Applicability	<i>63.181(a), [G](b), (c), [G](f), 63.2445(g)(7), 63.2525(a), [G]63.2525(b), (f), 63.2525(j), [G](p), [G](q), (t), 63.2525(u)(1)-(3)</i> General High-Level Applicability	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d), 63.2445(c), (g)(7), 63.2450(m)(1)-(3), 63.2515(a), (b)(1), 63.2515(d), 63.2520(a), Table 11.1-11.3, [G]63.2520(b), (d), (d)(1)-(2), 63.2520(d)(2)(i)-(vii), [G](d)(4), 63.2520(e), (e)(1)-(4), (e)(5)(i)-(ii) 63.2520(e)(5)(ii)(A)-(B), (e)(5)(ii)(D), 63.2520(e)(5)(iii)(C), (e)(5)(iii)(E), 63.2520(e)(7), (e)(9)-(10), [G](e)(10)(i), 63.2520(e)(10)(ii)(C), [G](e)(14)-(15)</i> General High-Level Applicability
7	<i>LPPEFUG (Connectors in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Valves in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Agitators in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Instrumentation Systems)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>

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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
7	<i>LPPEFUG (Pressure Relief Device in Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Surge Control Vessels and Bottoms Receivers)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Agitators in Gas/Vapor and Light Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.173, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Connectors in Gas/Vapor Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.174, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Pumps in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (HAP service less than 300 hours per year)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.180(d)</i>	<i>63.181(a), [G](b), (c), [G](i), (j)</i>	<i>[G]63.182(a)-(b)</i>
7	<i>LPPEFUG (Compressors)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.164, [G]63.180(b)-(d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](f)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Pressure Relief Devices in Gas/Vapor Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.165, [G]63.180(b)-(d)</i>	<i>63.181(a), [G](b), (c), [G](f)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>

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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
7	<i>LPPEFUG (Sampling Connection Systems)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Valves in Gas/Vapor and Light Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.168, [G]63.175, [G]63.180(b), [G](d)</i>	<i>63.181, [G](b), (c), [G](d), (h), [G]63.181(h)(1)-(2), (h)(4), [G](h)(5), 63.181(h)(6)-(7)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Open-ended Valves or Lines)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.175, [G]63.180(b), [G](d)</i>	<i>63.181, [G](b), (c), (h), [G](h)(1)-(2), 63.181(h)(4), [G](h)(5), (h)(6)-(7), [G]63.181(i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>LPPEFUG (Pumps in Light Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.163, [G]63.176, [G]63.180(b), [G](d)</i>	<i>63.181, [G](b), (c), [G](d), (h), [G]63.181(h)(3), (h)(4), [G](h)(5), 63.181(h)(6)-(8)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Connectors in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Valves in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Agitators in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>

**Applicable Requirements Summary  
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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
7	<i>PRODFUG (Instrumentation Systems)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Pressure Relief Device in Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Surge Control Vessels and Bottoms Receivers)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Agitators in Gas/Vapor and Light Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.173, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Connectors in Gas/Vapor Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.174, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Pumps in Heavy Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.169, [G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (HAP service less than 300 hours per year)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.180(d)</i>	<i>63.181(a), [G](b), (c), [G](i), (j)</i>	<i>[G]63.182(a)-(b)</i>

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Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
7	<i>PRODFUG (Compressors)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.164, [G]63.180(b)-(d)</i>	<i>63.181(a), [G](b), (c), [G](d), [G](f)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Pressure Relief Devices in Gas/Vapor Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.165, [G]63.180(b)-(d)</i>	<i>63.181(a), [G](b), (c), [G](f)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Sampling Connection Systems)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.180(b), [G](d)</i>	<i>63.181(a), [G](b), (c), [G](i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Valves in Gas/Vapor and Light Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.168, [G]63.175, [G]63.180(b), [G](d)</i>	<i>63.181, [G](b), (c), [G](d), (h), [G]63.181(h)(1)-(2), (h)(4), [G](h)(5), 63.181(h)(6)-(7)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Open-ended Valves or Lines)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.175, [G]63.180(b), [G](d)</i>	<i>63.181, [G](b), (c), (h), [G](h)(1)-(2), 63.181(h)(4), [G](h)(5), (h)(6)-(7), [G]63.181(i)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>
7	<i>PRODFUG (Pumps in Light Liquid Service)</i>	<i>63H-ALL</i>	<i>HAPS</i>	<i>[G]63.163, [G]63.176, [G]63.180(b), [G](d)</i>	<i>63.181, [G](b), (c), [G](d), (h), [G]63.181(h)(3), (h)(4), [G](h)(5), 63.181(h)(6)-(8)</i>	<i>[G]63.182(a)-(b), (c), [G](c)(1), 63.182(c)(4), [G](d)</i>

**Applicable Requirements Summary  
Form OP-REQ3 (Page 2)  
Federal Operating Permit Program  
Table 1b: Additions**

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation	<b>Area Name:</b> LP Polyethylene & Catalyst Units	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
3	PROCATB	63FFFF-01	HAPS	[G]63.115(d)(2)(v), (d)(3)(iii), 63.2460(c)(2)(i)-(ii), (c)(2)(vi), 63.2460(c)(3), (c)(3)(i), (c)(4), 63.2460(c)(6), 63.983(b), [G]63.983(b)(1)-(3), [G]63.983(c)(1)-(2), (c)(3), 63.983(d)(1), (d)(1)(ii), [G]63.987(b)(3)(i), 63.987(b)(3)(ii)-(iv), (e), 63.997(a), [G](e)(1), (e)(2)-(3), 63.997(c)(3)(i)-(ii)	<del>63.2450(f)(2), (f)(2)(i)-(ii);</del> 63.2460(c)(3)(ii), (c)(6), 63.2525(g), 63.983(b), [G](d)(2), 63.987(b)(1), (e), 63.998(a)(1), [G](a)(1)(i), (a)(1)(ii), 63.998(a)(1)(iii)(A)-(B), [G]63.998(b)(1), [G](b)(2)-(3), [G]63.998(b)(5), [G](c)(1) [G](d)(1), 63.998(d)(3)(i)-(ii), (d)(5), <b>63.2450(k)(1)(ii), (k)(7), 63.2525(m)-(n), 63.983(b)(3)(ii), 63.998(b)(2)(i)-(ii)</b>	<del>63.2450(f)(2)(ii)-(q);</del> 63.2460(c)(3)(i), 63.987(b)(1), 63.997(c)(3), 63.998(a)(1)(iii)(A) [G]63.998(b)(3), [G]63.999(a)(1)-(2), (b)(5), (c)(1), 63.999(c)(2)(i), (e)(3), (e)(6), [G]63.999(e)(6)(i), (e)(6)(iv), [G]63.999(d)(1)-(2), <b>63.2520(d)(3), (e)(11)-(12)</b>
3	PROCATC	63FFFF-01	HAPS	63.2445(d), 63.2460(c)(2)(v), <b>63.2450(g)(6)</b>	63.2525, (a), [G](b), (c), <del>(f), (j);</del> <b>63.2525(p)</b>	63.2435(d), 63.2445(c), 63.2450(g)(5), (m), (m)(1)-(2), 63.2460(c)(1), 63.2515(a), (b)(1), 63.2515(c), 63.2520(a), 63.2520[G](b)-(d), (e), (e)(1), [G]63.2520(e)(10), (e)(2)-(3), <del>63.2520(e)(4);</del> (e)(5), 63.2520(e)(5)(i), [G]63.2520(e)(5)(ii)-(iii), <del>63.2520(e)(6);</del> (e)(7), (e)(9), <b>63.2520(e)(14)</b>

# Section 4 – Compliance Certification Forms

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

<b>Date:</b> August 8, 2024	<b>Regulated Entity No.:</b> RN102181526	<b>Permit No.:</b> O2032
<b>Company Name:</b> Union Carbide Corporation		<b>Area Name:</b> L.P. Polyethylene & Catalyst Units

- 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**

<b>A. Compliance Plan — Future Activity Committal Statement</b>	
<p>The <i>Responsible Official</i> commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.</p>	
<b>B. Compliance Certification - Statement for Units in Compliance*</b> (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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. <i>(For reference only)</i>	N/A
<p>* 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.</p> <p>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.</p>	

# Section 5 – Permit By Rule Supplemental Table

**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
August 8 2024	O2032	RN102181526

Unit ID No.	Registration No.	PBR No.	Registration Date
1140, 1008, 1010, 1161, 229, 230, 246 1130, 1131, 1132, 1085D, 1081D	114503	106.261, 106.262	12/02/2013 06/03/2022
246	169034	106.261, 106.262	06/08/2022
2301, 2302, 2303, 2304, 1100, 1305 1301, 1302, 1303, 1304, 1306, 1307, 1308, 1309	145327	106.261, 106.262	03/30/2017 02/23/2024

**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
August 8, 2024	O2032	RN102181526

Unit ID No.	PBR No.	Version No./Date
N/A	N/A	N/A

**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
August 8, 2024	O2032	RN102181526

PBR No.	Version No./Date
N/A	N/A

**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
August 8, 2024	O2032	RN102181526

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
1140, 1008, 1010, 1161, 229, 230, 246, 1130, 1131, 1132, 1085D, 1081D	PBR 106.261 PBR 106.262	11/01/2003 11/01/2003	The plant will monitor production for equipment (lbs./yr).
246	PBR 106.261 PBR 106.262	11/01/2003 11/01/2003	The plant will monitor production for equipment (lbs./yr).
2301, 2302, 2303, 2304, 1100, 1305 1301, 1302, 1303, 1304, 1306, 1307, 1308, 1309	PBR 106.261 PBR 106.262	11/01/2003 11/01/2003	The plant will monitor production for equipment (lbs./yr).