

**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Thursday, April 3, 2025 1:38 PM  
**To:** Kyle Murray  
**Cc:** Parmley, Charles  
**Subject:** RE: Working Draft Permit -- FOP 03557/Project 36994, Enterprise Products Operating, LLC

The certification was completed in STEERS today.

Thank you,

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

## Texas Commission on Environmental Quality

Title V Existing

3557

### Site Information (Regulated Entity)

|   |                                 |
|---|---------------------------------|
| What is the name of the permit area to be authorized? | EAGLEFORD FRACTIONATION UNITS   |
| Does the site have a physical address?                | Yes                             |
| Physical Address                                      |                                 |
| Number and Street                                     | 10207 FM 1942 RD                |
| City  | MONT BELVIEU                    |
| State   | TX                              |
| ZIP   | 77521                           |
| County  | CHAMBERS                        |
| Latitude (N) (##.#####)                               | 29.856666                       |
| Longitude (W) (-###.#####)                            | 94.914166                       |
| Primary SIC Code                                      | 1321                            |
| Secondary SIC Code                                    |                                 |
| Primary NAICS Code                                    | 211112                          |
| Secondary NAICS Code                                  |                                 |
| Regulated Entity Site Information                     |                                 |
| What is the Regulated Entity's Number (RN)?           | RN102323268                     |
| What is the name of the Regulated Entity (RE)?        | ENTERPRISE MONT BELVIEU COMPLEX |
| Does the RE site have a physical address?             | Yes                             |
| Physical Address                                      |                                 |
| Number and Street                                     | 10207 FM 1942 RD                |
| City  | MONT BELVIEU                    |
| State   | TX                              |
| ZIP   | 77521                           |
| County  | CHAMBERS                        |
| Latitude (N) (##.#####)                               | 29.85965                        |
| Longitude (W) (-###.#####)                            | -94.909639                      |
| Facility NAICS Code                                   |                                 |
| What is the primary business of this entity?          | PROPYLENE PRODUCTION            |

### Customer (Applicant) Information

|  |                                   |
|--|-----------------------------------|
| How is this applicant associated with this site? | Owner Operator                    |
| What is the applicant's Customer Number (CN)?    | CN603211277                       |
| Type of Customer                                 | Corporation                       |
| Full legal name of the applicant:                |                                   |
| Legal Name                                       | Enterprise Products Operating LLC |
| Texas SOS Filing Number                          | 800838920                         |
| Federal Tax ID                                   | 260430677                         |
| State Franchise Tax ID                           | 12604305396                       |
| State Sales Tax ID                               |                                   |



|                                   |           |
|-----------------------------------|-----------|
| Local Tax ID                      |           |
| DUNS Number                       | 841528859 |
| Number of Employees               | 501+      |
| Independently Owned and Operated? | Yes       |

## Responsible Official Contact

Person TCEQ should contact for questions about this application:

|                   |  |
|-------------------|--|
| Organization Name | ENTERPRISE PRODUCTS OPERATING LLC                    |
| Prefix            | MR   |
| First             | GRAHAM   |
| Middle            |  |
| Last              | BACON  |
| Suffix            |  |
| Credentials       |  |
| Title             | EXECUTIVE VICE PRESIDENT AND CHIEF OPERATING OFFICER |

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

PO BOX 4324

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

City

HOUSTON

State

TX

ZIP

77210

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

7133816595

Extension

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

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

E-mail

environmental@eprod.com

## Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

BRADLEY COOLEY(ENTERPRISE PROD... )

Organization Name

ENTERPRISE PRODUCTS OPERATING LLC

Prefix

MR

First

BRADLEY

Middle

Last

COOLEY

Suffix

Credentials

Title

SENIOR 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 4324

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

City

HOUSTON

State

TX

Zip

77210

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

7133816595

Extension

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

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

2818878086

E-mail

environmental@eprod.com

## Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

DANIEL BISSONNETTE(ENTERPRISE PROD... )

Organization Name

ENTERPRISE PRODUCTS

Prefix

MR

First

DANIEL

Middle

Last

BISSONNETTE

Suffix

Credentials

Title

SUPERVISOR ENVIRONMENTAL

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

PO BOX 4324

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

City

HOUSTON

State

TX

ZIP

77210

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

7133813669

Extension

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

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

E-mail

dmbissonnette@eprod.com

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 51 Min 24 Sec

3) Permit Longitude Coordinate:

94 Deg 54 Min 51 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.

3557-36994

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?

N/A

## 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

<a href=/ePermitsExternal/faces/file?fileId=249459>FOP O3557 Project 36994 Enterprise Products Operating LLC Mont Belvieu Complex Application Updates.pdf</a>

Hash

FAFE4AF9FAE7E216D7F97DEC7549FF9F42EAE4E9658683B492DA36C70C643A1E

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 Bradley J Cooley, the owner of the STEERS account ER101133.
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 3557.
- 9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Bradley J Cooley OWNER OPERATOR

|                                      |  |
|--------------------------------------|--|
| Account Number:                      | ER101133   |
| Signature IP Address:                | 50.58.14.5   |
| Signature Date:                      | 2025-04-03   |
| Signature Hash:                      | 6F18E8530E275F931FC5AA0D504A170C9E3D9D71071C47C7F1F7629BDEB0FE3E |
| Form Hash Code at time of Signature: | 1945E625B6F2C12AAD8A5575BB8913052C3F37D65DDFF6332839E5809262B839 |

Submission

|                      |  |
|----------------------|--|
| Reference Number:    | The application reference number is 775674                     |
| Submitted by:        | The application was submitted by<br>ER101133/Bradley J Cooley  |
| Submitted Timestamp: | The application was submitted on 2025-04-03<br>at 12:42:31 CDT |
| Submitted From:      | The application was submitted from IP address<br>50.58.14.5    |
| Confirmation Number: | The confirmation number is 643997                              |
| Steers Version:      | The STEERS version is 6.89                                     |
| Permit Number:       | The permit number is 3557                                      |

Additional Information

Application Creator: This account was created by Daniel M Bissonnette

**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Wednesday, April 2, 2025 9:18 AM  
**To:** Kyle Murray  
**Cc:** Parmley, Charles  
**Subject:** RE: Working Draft Permit -- FOP O3557/Project 36994, Enterprise Products Operating, LLC  
**Attachments:** OP-REQ1.pdf

Kyle,

The updated OP-REQ1 was submitted back in November when you initially asked about it, but I realize we made a mistake in changing B.4 to "Yes" but also keeping B.5 as "Yes". Please see attached with B.5 changed to "No".

I sent all the application updates through our internal approval system this morning, sometimes it takes a few days to get to our DAR for approval/certification/submittal so it likely won't be recertified today. I'll keep you posted on the progress.

Thank you,

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

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

|             |               |
|-------------|---------------|
| Date:       | April 2, 2025 |
| Permit No.: | O3557         |
| RN No.:     | RN102323268   |

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

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

|  |   |   |
|--|---|---|
| <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.<br><br><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 type="checkbox"/> YES <input checked="" 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 checked="" type="checkbox"/> YES <input 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 |

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Sunday, March 30, 2025 6:14 PM  
**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP 03557/Project 36994, Enterprise Products Operating, LLC

[Use caution with links/attachments]

Good morning all,

My apologies for the oversight, but my technical specialist has identified a minor issue with the OP-REQ1, Questions XII.B.4 & XII.B.5. We searched the three standard permits 87477, 93268, and 95777 listed in the NSR table (Page 87) and found that all three are under 116.620 and not non-rule oil and gas. With that said, Question XII.B.4 should be “Yes” and XII.B.5 should be “No”. This would result in term 11D in the WDP being removed from the Special Terms and Conditions. Please verify that this is correct and provide me with an updated page 85 of the OP-REQ1 for those questions. Please include this update in tandem with your OP-CRO1 submittal and let me know if you would need more time. Thank you!

Sincerely,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

Phone: (512) 239-1279

Fax: (512) 239-1400



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**From:** Kyle Murray  
**Sent:** Friday, March 28, 2025 1:56 PM  
**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>  
**Subject:** RE: Working Draft Permit -- FOP O3557/Project 36994, Enterprise Products Operating, LLC

Good afternoon,

In preparation for public notice, all previous application updates from our email correspondence will need to be certified. Please submit an OP-CRO1 through STEERS with the Time Period range from 11/06/2024 – 03/04/2025 to cover all application updates that were submitted. As a note, the RO or DAR would have to complete the submission for the documents to be properly certified. Please complete this by **Wednesday, April 2<sup>nd</sup>**.

Feel free to email me the signed OP-CRO1 first in order to meet the deadline, but the form will still need to be submitted through STEERS . Let me know if you have any questions. Thank you and have a great weekend!

Sincerely,

**Kyle J. Murray**

Permit Reviewer  
OA/Air Permits Division/OP Section  
Texas Commission on Environmental Quality  
MC 163, P.O. Box 13087  
Austin, TX 78711-3087  
[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

Phone: (512) 239-1279  
Fax: (512) 239-1400



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**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Wednesday, March 26, 2025 10:41 AM  
**To:** Kyle Murray  
**Cc:** Parmley, Charles  
**Subject:** RE: Working Draft Permit -- FOP O3557/Project 36994, Enterprise Products Operating, LLC

Good Morning,

Thank you for incorporating our requested update. No issues with the other changes made, and no further comments from us.

Thank you,

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Tuesday, March 25, 2025 2:40 PM  
**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O3557/Project 36994, Enterprise Products Operating, LLC

[Use caution with links/attachments]

Good afternoon all,

I have attached a revised WDP based incorporating the following minor changes:

- Updated SOP Index from 60Db-07 to 60Dc-07 for GRP-HR02
- Added the sentence, “Any calculated emission rate above the maximum limit shall be considered and reported as a deviation”, in the Periodic Monitoring Text for GRP-HR02, Case-by-case PM for 30 TAC Chapter 117. This is so it is consistent with existing PM in your permit.

Please review the revised WDP once more and let me know of any further comments by **Friday, March 28<sup>th</sup>**. If you have no further comments, kindly indicate your approval and we will move forward with the application process. Thank you!

Sincerely,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

Phone: (512) 239-1279

Fax: (512) 239-1400



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

**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Tuesday, March 4, 2025 9:53 AM  
**To:** Kyle Murray  
**Cc:** Parmley, Charles  
**Subject:** RE: Working Draft Permit -- FOP O3557/Project 36994, Enterprise Products Operating, LLC  
**Attachments:** 2. OP-SUMR Tables 1 and 2 update\_locked.pdf; 3. OP-2.pdf; 1. OP-MON supplemental calculations.pdf  
  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good Morning Kyle,

Thank you for the opportunity to review the draft permit. Our only comment is that it looks like one of the GRP-HR02 SOP Index No. was improperly transcribed as 60Db-07, it should be 60Dc-07 as the SOP Index is for NSPS Dc conditions. We have no other comments on the draft.

As requested, attached please find:

1. Justification for the PM Deviation Limit on GRP-HR02 – the permitted PTE lb/hr for the unit is < the lb/hr rate calculated using 400 ppm
2. OP-SUMR and OP-2 attached

Thank you,

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

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

|   |                                   |  |   |
|---|-----------------------------------|--|---|
| Date:   | March 4, 2025                     |  |   |
| Permit No.:   | O3557                             |  |   |
| Regulated Entity No.:   | 102323268                         |  |   |
| Company / Area Name:  | Enterprise Products Operating LLC |  |   |
| For Submissions to EPA  |                                   |  |   |
| Has a copy of this application been submitted (or is being submitted) to EPA?   |                                   |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <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  |                                   |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| For GOP Revisions Only  |                                   |  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

|   |     |                                     |                 |                                     |                 |                                     |                  |
|---|-----|-------------------------------------|-----------------|-------------------------------------|-----------------|-------------------------------------|------------------|
| <b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or a change in regulations.)</b>   |     |                                     |                 |                                     |                 |                                     |                  |
| Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:  |     |                                     |                 |                                     |                 |                                     |                  |
| <input checked="" type="checkbox"/>   | VOC | <input checked="" type="checkbox"/> | NO <sub>x</sub> | <input checked="" 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 the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol. |     |                                     |                 |                                     |                 |                                     |                  |

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

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                  | NSR Authorization                     | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|------------|------------------|---------------------------------------|---|
|              |               | New Unit           | ID No.     | Applicable Form  |                                       |   |
| 1            | SIG-E         | No                 | Sitewide   | -                | -                                     | Renew FOP O1641 pursuant to 30 TAC Chapter 122, Subchapter C, Division 4. Supplemental data for all registered and claimed PBRs under which the site is operating is provided on Form OP-PBRSUP, as required for all FOP renewals submitted after August 1, 2020. |
| 2            | SIG-E         | No                 | Various    | OP-SUMR          | Various                               | Update NSR and PBR authorizations for sources listed on OP-SUMR.  |
| 3            | MS-A          | No                 | Sitewide   | OP-REQ1          | Various                               | Update NSR and PBR authorizations as indicated on the OP-REQ1.  |
| 4            | MS-C          | Yes                | 126HR15001 | OP-UA5<br>OP-UA6 | 87477                                 | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.   |
| 5            | MS-C          | Yes                | 126HR15002 | OP-UA5<br>OP-UA6 | 87477                                 | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.  |
| 6            | SIG-E         | Yes                | 126HT16028 | OP-REQ2          | 87477                                 | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.   |
| 7            | SIG-E         | Yes                | 126HT16029 | OP-REQ2          | 87477                                 | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.   |
| 8            | MS-C          | Yes                | 126SK25001 | OP-UA7           | 87477, 93268, 95777, 106.262, 106.261 | Add flare source to permit with NSPS A and Chapter 111 applicability. Source is being moved from FOP O1641 to O3557.  |
| 9            | SIG-E         | Yes                | 126SV19002 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 10           | SIG-E         | Yes                | 126SV19003 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 11           | SIG-E         | Yes                | 126SV19004 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK07</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |

**Federal Operating Permit Program  
Application for Permit Revision/Renewal  
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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                  | NSR Authorization | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|------------------|-------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form  |                   |  |
| 12           | SIG-E         | Yes                | 126SV19006 | OP-UA3, OP-REQ2  | 87477             | Add tank source to permit and new group <b>GRP-TK03</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 13           | MS-C          | Yes                | FUG-02126  | OP-UA12          | 87477             | Add fugitive source to permit with Chapter 115, NSPS KKK, and MACT HH applicability. Source is being moved from FOP O1641 to O3557.  |
| 14           | MS-C          | Yes                | 128HR16001 | OP-UA5<br>OP-UA6 | 93268             | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.              |
| 15           | MS-C          | Yes                | 128HR16002 | OP-UA5<br>OP-UA6 | 93268             | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.             |
| 16           | SIG-E         | Yes                | 128HT17028 | OP-REQ2          | 93268             | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 17           | SIG-E         | Yes                | 128HT17029 | OP-REQ2          | 93268             | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 18           | SIG-E         | Yes                | 128SV19002 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 19           | SIG-E         | Yes                | 128SV19003 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 20           | SIG-E         | Yes                | 128SV19006 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK03</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |

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**Application for Permit Revision/Renewal**  
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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|-------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.      | Applicable Form |                    |   |
| 21           | MS-C          | Yes                | 128GE14001  | OP-UA2          | 106.511/09/04/2000 | Add engine source to permit with Chapter 117, NSPS IIII, and MACT ZZZZ applicability. Source is being moved from FOP O1641 to O3557.  |
| 22           | MS-C          | Yes                | 128PV17030  | OP-REQ2         | 106.472/09/04/2000 | Add source to permit with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 23           | SIG-E         | Yes                | 128PV17031  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 24           | SIG-E         | Yes                | 128PV17032  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 25           | SIG-E         | Yes                | 128PV17033  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 26           | SIG-E         | Yes                | 128PV17036  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 27           | SIG-E         | Yes                | 128SV19012  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citation and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 28           | SIG-E         | Yes                | 128SV19016  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 29           | SIG-E         | Yes                | 128SV19017  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                     |
| 30           | SIG-E         | Yes                | 128SV19018  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 31           | SIG-E         | Yes                | 128SV19019A | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                     |



**Federal Operating Permit Program**  
**Application for Permit Revision/Renewal**  
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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                  | NSR Authorization            | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|-------------|------------------|------------------------------|--|
|              |               | New Unit           | ID No.      | Applicable Form  |                              |  |
| 32           | SIG-E         | Yes                | 128SV19019B | OP-UA3, OP-REQ2  | 106.472/09/04/2000           | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 33           | SIG-E         | Yes                | 128SV19021  | OP-UA3, OP-REQ2  | 106.472/09/04/2000           | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 34           | SIG-E         | Yes                | 128SV19023  | OP-UA3, OP-REQ2  | 106.472/09/04/2000           | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 35           | SIG-E         | Yes                | 128SV20004  | OP-UA3, OP-REQ2  | 93268                        | Add tank source to permit and new group <b>GRP-TK07</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 36           | MS-C          | Yes                | 128SV20008  | OP-UA3           | 93268                        | Add source to permit with Chapter 115 and NSPS Kb applicability. Source is being moved from FOP O1641 to O3557.  |
| 37           | MS-C          | Yes                | FUG-02128   | OP-UA12          | 93268,<br>106.472/09/04/2000 | Add fugitive source to permit and new group <b>GRP-FUG02</b> with Chapter 115 and NSPS KKK applicability. Source is being moved from FOP O1641 to O3557.                         |
| 38           | MS-C          | Yes                | 129GE14001  | OP-UA2           | 106.511/09/04/2000           | Add engine source to permit with Chapter 117, NSPS IIII, and MACT ZZZZ applicability. Source is being moved from FOP O1641 to O3557.   |
| 39           | MS-C          | Yes                | 129HR17001  | OP-UA5<br>OP-UA6 | 95777                        | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.              |
| 40           | MS-C          | Yes                | 129HR17002  | OP-UA5<br>OP-UA6 | 95777                        | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.             |
| 41           | SIG-E         | Yes                | 129HT18028  | OP-REQ2          | 95777                        | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |

**Federal Operating Permit Program  
Application for Permit Revision/Renewal  
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Texas Commission on Environmental Quality**

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|-----------------|--------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form |                    |  |
| 42           | SIG-E         | Yes                | 129HT18029 | OP-REQ2         | 95777              | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 43           | SIG-E         | Yes                | 129PV17008 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 44           | SIG-E         | Yes                | 129SV19002 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 45           | SIG-E         | Yes                | 129SV19003 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 46           | SIG-E         | Yes                | 129SV19006 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                               |
| 47           | MS-C          | Yes                | 129SV19008 | OP-UA3          | 106.472/09/04/2000 | Add source to permit with Chapter 115 and NSPS Kb applicability. Source is being moved from FOP O1641 to O3557.  |
| 48           | SIG-E         | Yes                | 129SV19012 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 49           | SIG-E         | Yes                | 129SV19014 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 50           | SIG-E         | Yes                | 129SV19016 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 51           | SIG-E         | Yes                | 129SV19017 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |

**Federal Operating Permit Program**  
**Application for Permit Revision/Renewal**  
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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|-------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.      | Applicable Form |                    |   |
| 52           | SIG-E         | Yes                | 129SV19018  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 53           | SIG-E         | Yes                | 129SV19019A | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.       |
| 54           | SIG-E         | Yes                | 129SV19019B | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.       |
| 55           | MS-C          | Yes                | FUG-02129   | OP-UA12         | 95777              | Add fugitive source to permit and new group <b>GRP-FUG02</b> with Chapter 115, NSPS KKK applicability. Source is being moved from FOP O1641 to O3557.             |
| 56           | MS-C          | No                 | HR15.001A   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 57           | MS-C          | No                 | HR15.001B   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 58           | MS-C          | No                 | HR15.002A   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 59           | MS-C          | No                 | HR15.002B   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 60           | MS-C          | No                 | GRP-EF-FUG  | OP-UA12         | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for fugitives at a Natural Gas Plant. Update NSPS OOOO applicability due to TCEQ form development. |
| 61           | MS-C          | No                 | SV19.002A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 62           | MS-C          | No                 | SV19.0002B  | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 63           | MS-C          | No                 | SV19.003A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 64           | MS-C          | No                 | SV19.003B   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 65           | MS-C          | No                 | SV19.006A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |

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

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

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

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | March 4, 2025                     |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |                |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|----------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.         | Applicable Form |                    |   |
| 66           | MS-C          | No                 | SV19.006B      | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.                |
| 67           | SIG-E         | Yes                | 136CAUSTK1     | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for Chapter 115 and NSPS Kb.        |
| 68           | SIG-E         | Yes                | 136CAUSTK2     | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for 30 TAC Chapter 115 and NSPS Kb. |
| 69           | SIG-E         | Yes                | 136CAUSTK3     | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for 30 TAC Chapter 115 and NSPS Kb. |
| 70           | MS-C          | No                 | HD5FUG         | OP-UA12         | N/A                | Update NSPS OOOO applicability due to TCEQ form development.  |
| 71           | MS-C          | Yes                | FUG-52130      | OP-UA12         | 106.261/11/01/2003 | Add new source to permit with 30 TAC Chapter 115 and NSPS OOOO applicability.   |
| 72           | MS-C          | Yes                | FRAC F EFA-C   | OP-UA12         | 100091             | Add new source to permit with 30 TAC Chapter 115, Subchapter B, Division 7 applicability                                |
| 73           | MS-C          | Yes                | FRAC F EFB-C   | OP-UA12         | 100091             | Add new source to permit with 30 TAC Chapter 115, Subchapter B, Division 7 applicability                                |
| 74           | MS-C          | Yes                | GRP-EF-FUG     | OP-UA12         | 100091             | Move FRAC F EFA-C and FRAC F EFB-C from GRP-EF-FUG to GRP-EF-COMPFUG  |
| 75           | MS-C          | Yes                | GRP-EF-COMPFUG | OP-UA12         | 100091             | Move FRAC F EFA-C and FRAC F EFB-C from GRP-EF-FUG to GRP-EF-COMPFUG  |

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

|   |                                     |     |  |
|---|-------------------------------------|-----|--|
| <b>Date:</b>  | <b>March 4, 2025</b>                |     |  |
| <b>Permit No.:</b>  | O3557                               |     |  |
| <b>Regulated Entity No.:</b>  | 102323268                           |     |  |
| <b>Company / Area Name:</b>   | Enterprise Products Operating LLC   |     |  |
| <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 languages(s) in which public notice is required:  | Spanish                             |     |  |
| C. Will there be a change in air pollutant emissions as a result of the significant revision?   | <input type="checkbox"/>            | YES | <input checked="" type="checkbox"/> NO |

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

[Table 1](#)

| Date       | Permit No. | Regulated Entity No. |
|------------|------------|----------------------|
| 03/04/2025 | O3557      | 102323268            |

| Unit/Process<br>AI | Unit/Process<br>Revision No. | Unit/Process ID No. | Unit/Process<br>Applicable<br>Form | Unit/Process Name/ Description | Unit/Process<br>CAM | Preconstruction<br>Authorizations<br>30 TAC Chapter<br>116/ 30 TAC<br>Chapter 106 | Preconstruction<br>Authorizations Title I |
|--------------------|------------------------------|---------------------|------------------------------------|--------------------------------|---------------------|---|---|
| A                  | 72                           | FRAC F EFA-C        | OP-UA12                            | EF FRAC A COMPRESSOR FUGITIVES |                     | 100091  | PSDTX1286, N154                           |
| A                  | 73                           | FRAC F EFB-C        | OP-UA12                            | EF FRAC B COMPRESSOR FUGITIVES |                     | 100091  | PSDTX1286, N154                           |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |
|                    |                              |                     |                                    |                                |                     |   |   |

**Texas Commission on Environmental Quality  
Federal Operating Permit Program  
Individual Unit Summary for Revisions  
Form OP-SUMR  
[Table 2](#)**

| Date       | Permit No. | Regulated Entity No. |
|------------|------------|----------------------|
| 03/04/2025 | O3557      | 102323268            |

| Revision No. | ID No.                     | Applicable Form | Group AI | Group ID No.   |
|--------------|----------------------------|-----------------|----------|----------------|
| 74           | FRAC F EFA-C; FRAC F EFB-C | OP-UA12         | D        | GRP-EF-FUG     |
| 75           | FRAC F EFA-C; FRAC F EFB-C | OP-UA12         | A        | GRP-EF-COMPFUG |
|              |                            |                 |          |                |
|              |                            |                 |          |                |
|              |                            |                 |          |                |
|              |                            |                 |          |                |
|              |                            |                 |          |                |
|              |                            |                 |          |                |
|              |                            |                 |          |                |
|              |                            |                 |          |                |

| Parameter      | Value | Unit       |
|----------------|-------|------------|
| Fd             | 8710  | dscf/MMBtu |
| CO @3% O2      | 400   |            |
| CO MW          | 28    | lb/lbmol   |
| Percent O2     | 3     | %          |
| Molar Gas Flow | 385   | ft3/lbmol  |

| EPN      | Title V ID | Description       | MMBtu/hr | dscf/hr<br>[1] | Calculated CO<br>Emission Rate @<br>400 ppm<br>(lb/hr)<br>[2] | Permitted CO<br>Emission Rate<br>(lb/hr) |
|----------|------------|-------------------|----------|----------------|---|--|
| HR15.002 | GRP-HR02   | Regenerant Heater | 28.5     | 248235         | 8.43  | 3.80                                     |
| HR16.002 |            | Regenerant Heater | 28.5     | 248235         | 8.43  | 3.80                                     |
| HR17.001 |            | Regenerant Heater | 28.5     | 248235         | 8.43  | 3.80                                     |

[1] dscf/hr = MMBtu/hr \* Fd (dscf/MMBtu)

[2] Calculated CO Emission Rate @ 400 ppm (lb/hr) = 400 ppmv \* dscf/hr \* (20.9/(20.9-3)) / (385 lbmol/ft3) \* lb/lbmol / 1000000



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**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>

**Sent:** Wednesday, February 5, 2025 3:00 PM

**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>; Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>

**Subject:** [EXTERNAL] Working Draft Permit -- FOP O3557/Project 36994, Enterprise Products Operating, LLC

[Use caution with links/attachments]

Good afternoon all,

I have conducted a technical review of the initial application for Enterprise Products Operating, LLC. An electronic copy of the Working Draft Permit (WDP) is attached for your review. This WDP contains the TCEQ determination of applicable requirements based on the information submitted in your application, and any updates provided.

Please review the WDP and submit to me any comments you have on the working draft permit by **Thursday, March 6<sup>th</sup>**.

In addition, upon evaluation of your federal operating permit application, we have determined that there are a few discrepancies that need to be addressed to finalize the permit. Please provide a response to the following items with your response to the WDP.

1. **Group ID GRP-HR02 – Index No. R7310-02 – PM Deviation Limit** – In reference to the Case-by-case periodic monitoring (PM) included in your application for the listed Group ID, please provide us with the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data that would justify the proposed deviation limit in your application.
  - "Maximum CO emission rate = 8.43 lb/hr each heater" – We understand this is similar to case-by-case PM for other units currently in your permit but will still need justification for this new monitoring. It has tentatively been included in the WDP while we review the monitoring for approval.
2. **Form OP-SUMR** – We will need this form updated for the units in GRP-EF-COMPFUG (Compressor Fugitives) that were separated from GRP-EF-FUG in your last application update. I have tentatively used the Unit ID Nos. FRAC F EFA-C and FRAC F EFB-C to represent the compressors that were separated from the fugitive units. Please feel free to provide your own Unit IDs and process descriptions on the OP-SUMR and I will make any necessary updates. I have listed the form instructions here for your reference: [TCEQ Form 10344 - Individual Unit Summary for Revisions](#) [Form OP-SUMR Instructions](#).
  - As a note, the OP-2 in your application would need to be updated to include the additions on the OP-SUMR.

Please let me know if you have any questions about any of these items and I would be happy to help!

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](#).**

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,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

Phone: (512) 239-1279

Fax: (512) 239-1400



**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Thursday, January 30, 2025 9:42 AM  
**To:** Kyle Murray; Parmley, Charles  
**Subject:** RE: Technical Review -- FOP O3557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex  
**Attachments:** OP-UA6 Update, New Version.pdf; OP-UA12 Update.pdf

Thank you for the clarification, please see attached. So that everything is in one email, I've reattached the OP-UA12 updates.

Thank you,

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 227)  
Federal Operating Permit Program**

**Table 22a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | Compressor Type | ACR | ACR ID No. |
|----------------|---------------|-----------------|-----|------------|
| GRP-EF-FUG     | R5170-1       |                 |     |            |
| GRP-EF-COMPFUG | R5170-2       | CCOMPDS         |     |            |
|                |               |                 |     |            |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 228)  
Federal Operating Permit Program**

**Table 22b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | Control Options | Control Device | Control Device ID No. | Bypass Device | Unsafe to Monitor | Difficult to Monitor |
|----------------|---------------|-----------------|----------------|-----------------------|---------------|-------------------|----------------------|
| GRP-EF-FUG     | R5170-1       |                 |                |                       |               |                   |                      |
| GRP-EF-COMPFUG | R5170-2       |                 |                |                       |               |                   |                      |
|                |               |                 |                |                       |               |                   |                      |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 229)  
Federal Operating Permit Program**

**Table 22c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | Pneumatic Facility Type | ACR | ACR ID No. |
|-----------------|---------------|-------------------------|-----|------------|
| GRP-EF-FUG      | R5170-1       |                         |     |            |
| GRP-EF-COMP-FUG | R5170-2       |                         |     |            |
|                 |               |                         |     |            |
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**Texas Commission on Environmental Quality**

**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 230)**

**Federal Operating Permit Program**

**Table 22d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.   | SOP Index No. | Control Device | Control Device ID No. | Bypass Device | Unsafe to Monitor | Difficult to Monitor |
|---------------|---------------|----------------|-----------------------|---------------|-------------------|----------------------|
| GRP-EF-FUG    | R5170-1       |                |                       |               |                   |                      |
| GRP-EF-COMPUG | R5170-2       |                |                       |               |                   |                      |
|               |               |                |                       |               |                   |                      |
|               |               |                |                       |               |                   |                      |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 231)  
Federal Operating Permit Program**

**Table 22e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | Fugitive Component | Components Utilizing Alternative Work Practice in § 115.358 |
|----------------|---------------|--------------------|---|
| GRP-EF-FUG     | R5170-1       | FCNG               | NO  |
| GRP-EF-COMPFUG | R5170-2       |                    |   |
|                |               |                    |   |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 232)  
Federal Operating Permit Program**

**Table 22f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.        | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components |     |            |                         |                                |
|--------------------|---------------|---|-----|------------|-------------------------|--------------------------------|
|                    |               | Pumps in<br>Light Liquid<br>VOC Service | ACR | ACR ID No. | Polymerizing<br>Monomer | Not<br>Polymerizing<br>Monomer |
| GRP-EF-FUG         | R5170-1       | YES                                     | NO  |            | NO                      | YES                            |
| GRP-EF-<br>COMPFUG | R5170-2       |   |     |            |                         |                                |
|                    |               |   |     |            |                         |                                |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 233)  
Federal Operating Permit Program**

**Table 22g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.   | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|---------------|---------------|---|-----|------------|-------------------------------|
|               |               | Pumps in Heavy Liquid VOC Service                   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG    | R5170-1       | YES   |     |            |                               |
| GRP-EF-COMPUG | R5170-2       |   |     |            |                               |
|               |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 234)  
Federal Operating Permit Program**

**Table 22h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Valves  | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 235)  
Federal Operating Permit Program

Table 22i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Flanges   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 236)  
Federal Operating Permit Program**

**Table 22j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|----------------|---------------|---|-----|------------|-------------------------------|
|                |               | Connectors  | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG     | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMPFUG | R5170-2       |   |     |            |                               |
|                |               |   |     |            |                               |
|                |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 237)  
Federal Operating Permit Program**

**Table 22k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|----------------|---------------|---|-----|------------|-------------------------------|
|                |               | Pressure Relief Devices                             | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG     | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMPFUG | R5170-2       |   |     |            |                               |
|                |               |   |     |            |                               |
|                |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 238)  
Federal Operating Permit Program**

**Table 22I: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Sampling Connections                                | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 239)  
Federal Operating Permit Program**

**Table 22m: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Process Drains                                      | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | NO  |     |            |                               |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 240)  
Federal Operating Permit Program**

**Table 22n: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Compressors   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 241)  
Federal Operating Permit Program**

**Table 22o: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | 30 TAC 115.177 Fugitive Unit Description |
|----------------|---------------|--|
| GRP-EF-FUG     | R5170-1       | FRAC FUGITIVES (EXCLUDING COMPRESSORS)   |
| GRP-EF-COMPFUG | R5170-2       | COMPRESSOR FUGITIVES                     |
|                |               |  |
|                |               |  |
|                |               |  |
|                |               |  |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 6)**

**Federal Operating Permit Program**

**Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**

**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | Construction/<br>Modification<br>Date | Heat Input<br>Capacity | Subpart Da | Changes to<br>Existing<br>Affected<br>Facility | Subpart Ea,<br>Eb, AAAA, or<br>CCCC | Subpart<br>KKKK | Subpart Cb or<br>BBBB | Temporary<br>Boiler |
|-------------|---------------|---------------------------------------|------------------------|------------|--|-------------------------------------|-----------------|-----------------------|---------------------|
| GRP-HR03    | 60Db-03       | 05+CR                                 | 100-250                | NO         | NO   | NO                                  | NO              | NO                    | NO                  |
| GRP-HR02    | 60Db-E        | 05+CR                                 | 100-                   |            |  |                                     |                 |                       |                     |
| HR15.001A   | 60Db-01       | 05+CR                                 | 100-250                | NO         | NO   | NO                                  | NO              | NO                    | NO                  |
| HR15.001B   | 60Db-01       | 05+CR                                 | 100-250                | NO         | NO   | NO                                  | NO              | NO                    | NO                  |
|             |               |                                       |                        |            |  |                                     |                 |                       |                     |
|             |               |                                       |                        |            |  |                                     |                 |                       |                     |
|             |               |                                       |                        |            |  |                                     |                 |                       |                     |
|             |               |                                       |                        |            |  |                                     |                 |                       |                     |
|             |               |                                       |                        |            |  |                                     |                 |                       |                     |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 7)**  
**Federal Operating Permit Program**  
**Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | D-Series Fuel Type | D-Series Fuel Type | D-Series Fuel Type | Subpart D | Additional Applicability Requirement | ACF Option SO <sub>2</sub> | ACF Option PM | ACF Option NO <sub>x</sub> |
|-------------|---------------|--------------------|--------------------|--------------------|-----------|--------------------------------------|----------------------------|---------------|----------------------------|
| GRP-HR03    | 60Db-03       | NG                 |                    |                    |           | NONE                                 | OTHER                      | OTHER         | OTHER                      |
| GRP-HR02    | 60Db-E        |                    |                    |                    |           |                                      |                            |               |                            |
| HR15.001A   | 60Db-01       | NG                 |                    |                    |           | NONE                                 | OTHER                      | OTHER         | OTHER                      |
| HR15.001B   | 60Db-01       | NG                 |                    |                    |           | NONE                                 | OTHER                      | OTHER         | OTHER                      |
|             |               |                    |                    |                    |           |                                      |                            |               |                            |
|             |               |                    |                    |                    |           |                                      |                            |               |                            |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 8)**  
**Federal Operating Permit Program**  
**Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | 60.42b (k)(2) Low Sulfur Exemption | 60.42b (k)(4) Alternative | Post-Combustion Control | 60.43b(h)(2) Alternative | Electrical or Mechanical Output | Output Based Limit | 60.49 Da(n) Alternative | 60.49 Da(m) Alternative |
|-------------|---------------|------------------------------------|---------------------------|-------------------------|--------------------------|---------------------------------|--------------------|-------------------------|-------------------------|
| GRP-HR03    | 60Db-03       | YES                                |                           |                         |                          | NO                              |                    |                         |                         |
| GRP-HR02    | 60Db-E        |                                    |                           |                         |                          |                                 |                    |                         |                         |
| HR15.001A   | 60Db-01       | YES                                |                           |                         |                          | NO                              |                    |                         |                         |
| HR15.001B   | 60Db-01       | YES                                |                           |                         |                          | NO                              |                    |                         |                         |
|             |               |                                    |                           |                         |                          |                                 |                    |                         |                         |
|             |               |                                    |                           |                         |                          |                                 |                    |                         |                         |
|             |               |                                    |                           |                         |                          |                                 |                    |                         |                         |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 9)**  
**Federal Operating Permit Program**  
**Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | Residual Oil Sampling | Monitoring Type PM | Monitoring Type PM (Opacity) | Monitoring Type NO <sub>x</sub> | Monitoring Type SO <sub>2</sub> | Technology Type | Unit Type | Heat Release Rate | Heat Input Gas/Oil | Heat Input Wood | Fuel Heat Input |
|-------------|---------------|-----------------------|--------------------|------------------------------|---------------------------------|---------------------------------|-----------------|-----------|-------------------|--------------------|-----------------|-----------------|
| GRP-HR03    | 60Db-03       |                       | NONE               | NONE                         | CEM                             | FLSMP                           | NONE            | OTHER     | NGLOW             | YES                |                 |                 |
| GRP-HR02    | 60Db-E        |                       |                    |                              |                                 |                                 |                 |           |                   |                    |                 |                 |
| HR15.001A   | 60Db-01       |                       | NONE               | NONE                         | CEM                             | FLSMP                           | NONE            | OTHER     | NGLOW             | NO                 |                 |                 |
| HR15.001B   | 60Db-01       |                       | NONE               | NONE                         | CEM                             | FLSMP                           | NONE            | OTHER     | NGLOW             | NO                 |                 |                 |
|             |               |                       |                    |                              |                                 |                                 |                 |           |                   |                    |                 |                 |
|             |               |                       |                    |                              |                                 |                                 |                 |           |                   |                    |                 |                 |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 10)**  
**Federal Operating Permit Program**  
**Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | Alternate Emission Limit (AEL) | AEL ID. NO. |
|-------------|---------------|--------------------------------|-------------|
| GRP-HR03    | 60Db-03       |                                |             |
| GRP-HR02    | 60Db-E        |                                |             |
| HR15.001A   | 60Db-01       |                                |             |
| HR15.001B   | 60Db-01       |                                |             |
|             |               |                                |             |
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**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>

**Sent:** Thursday, January 30, 2025 9:16 AM

**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>; Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>

**Subject:** [EXTERNAL] RE: Technical Review -- FOP 03557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex

[Use caution with links/attachments]

Good morning Daniel,

Thank you for your early response. To clarify about your question, yes, the new version of the UA form for NSPS Da, Db, and Dc would incorporate those attribute questions we now need for the units I referenced in my previous email. A resubmission of the OP-UA6 is what we are requesting. I listed the additional questions that now need answers to save you some time. I hope that helps. Let me know if you have any other questions.

Thank you,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

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Fax: (512) 239-1400



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**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Thursday, January 30, 2025 8:58 AM  
**To:** Kyle Murray; Parmley, Charles  
**Subject:** RE: Technical Review -- FOP O3557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex  
**Attachments:** OP-UA6 Update.pdf; OP-UA12 Update.pdf

Good Morning Kyle,

Attached please find updates to the OP-UA12 as requested.

I've made the requested updates to GRP-HR03 responses on the OP-UA6 as requested, but I am a little confused on the rest of the OP-UA6 question. Are you simply requesting we resubmit the OP-UA6 on a new version of the form for GRP-HR03, Index No. 60Db-03 and Unit IDs HR15.001A & HR15.001B, Index No. 60Db-01?

Thank you,

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 227)  
Federal Operating Permit Program**

**Table 22a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | Compressor Type | ACR | ACR ID No. |
|----------------|---------------|-----------------|-----|------------|
| GRP-EF-FUG     | R5170-1       |                 |     |            |
| GRP-EF-COMPFUG | R5170-2       | CCOMPDS         |     |            |
|                |               |                 |     |            |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 228)  
Federal Operating Permit Program**

**Table 22b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | Control Options | Control Device | Control Device ID No. | Bypass Device | Unsafe to Monitor | Difficult to Monitor |
|----------------|---------------|-----------------|----------------|-----------------------|---------------|-------------------|----------------------|
| GRP-EF-FUG     | R5170-1       |                 |                |                       |               |                   |                      |
| GRP-EF-COMPFUG | R5170-2       |                 |                |                       |               |                   |                      |
|                |               |                 |                |                       |               |                   |                      |
|                |               |                 |                |                       |               |                   |                      |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 229)  
Federal Operating Permit Program**

**Table 22c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | Pneumatic Facility Type | ACR | ACR ID No. |
|-----------------|---------------|-------------------------|-----|------------|
| GRP-EF-FUG      | R5170-1       |                         |     |            |
| GRP-EF-COMP-FUG | R5170-2       |                         |     |            |
|                 |               |                         |     |            |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 230)  
Federal Operating Permit Program**

**Table 22d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | Control Device | Control Device ID No. | Bypass Device | Unsafe to Monitor | Difficult to Monitor |
|-----------------|---------------|----------------|-----------------------|---------------|-------------------|----------------------|
| GRP-EF-FUG      | R5170-1       |                |                       |               |                   |                      |
| GRP-EF-COMP-FUG | R5170-2       |                |                       |               |                   |                      |
|                 |               |                |                       |               |                   |                      |
|                 |               |                |                       |               |                   |                      |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 231)  
Federal Operating Permit Program**

**Table 22e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | Fugitive Component | Components Utilizing Alternative Work Practice in § 115.358 |
|-----------------|---------------|--------------------|---|
| GRP-EF-FUG      | R5170-1       | FCNG               | NO  |
| GRP-EF-COMP-FUG | R5170-2       |                    |   |
|                 |               |                    |   |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 232)  
Federal Operating Permit Program**

**Table 22f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.        | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components |     |            |                         |                                |
|--------------------|---------------|---|-----|------------|-------------------------|--------------------------------|
|                    |               | Pumps in<br>Light Liquid<br>VOC Service | ACR | ACR ID No. | Polymerizing<br>Monomer | Not<br>Polymerizing<br>Monomer |
| GRP-EF-FUG         | R5170-1       | YES                                     | NO  |            | NO                      | YES                            |
| GRP-EF-<br>COMPFUG | R5170-2       |   |     |            |                         |                                |
|                    |               |   |     |            |                         |                                |
|                    |               |   |     |            |                         |                                |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 233)  
Federal Operating Permit Program**

**Table 22g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.   | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|---------------|---------------|---|-----|------------|-------------------------------|
|               |               | Pumps in Heavy Liquid VOC Service                   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG    | R5170-1       | YES   |     |            |                               |
| GRP-EF-COMPUG | R5170-2       |   |     |            |                               |
|               |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 234)  
Federal Operating Permit Program**

**Table 22h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Valves  | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 235)  
Federal Operating Permit Program**

**Table 22i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Flanges   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 236)  
Federal Operating Permit Program**

**Table 22j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|----------------|---------------|---|-----|------------|-------------------------------|
|                |               | Connectors  | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG     | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMPFUG | R5170-2       |   |     |            |                               |
|                |               |   |     |            |                               |
|                |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 237)  
Federal Operating Permit Program**

**Table 22k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|----------------|---------------|---|-----|------------|-------------------------------|
|                |               | Pressure Relief Devices                             | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG     | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMPFUG | R5170-2       |   |     |            |                               |
|                |               |   |     |            |                               |
|                |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 238)  
Federal Operating Permit Program**

**Table 22I: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.   | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|---------------|---------------|---|-----|------------|-------------------------------|
|               |               | Sampling Connections                                | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG    | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMPUG | R5170-2       |   |     |            |                               |
|               |               |   |     |            |                               |
|               |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 239)  
Federal Operating Permit Program**

**Table 22m: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.   | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|---------------|---------------|---|-----|------------|-------------------------------|
|               |               | Process Drains                                      | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG    | R5170-1       | NO  |     |            |                               |
| GRP-EF-COMPUG | R5170-2       |   |     |            |                               |
|               |               |   |     |            |                               |
|               |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 240)  
Federal Operating Permit Program**

**Table 22n: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.     | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-----------------|---------------|---|-----|------------|-------------------------------|
|                 |               | Compressors   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG      | R5170-1       | YES   | NO  |            | YES                           |
| GRP-EF-COMP-FUG | R5170-2       |   |     |            |                               |
|                 |               |   |     |            |                               |
|                 |               |   |     |            |                               |
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**Texas Commission on Environmental Quality  
Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 241)  
Federal Operating Permit Program**

**Table 22o: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| January 30, 2025 | O3557      | 102323268           |

| Unit ID No.    | SOP Index No. | 30 TAC 115.177 Fugitive Unit Description |
|----------------|---------------|--|
| GRP-EF-FUG     | R5170-1       | FRAC FUGITIVES (EXCLUDING COMPRESSORS)   |
| GRP-EF-COMPFUG | R5170-2       | COMPRESSOR FUGITIVES                     |
|                |               |  |
|                |               |  |
|                |               |  |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 6)**  
**Federal Operating Permit Program**  
**Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | Construction/<br>Modification Date | Heat Input<br>Capacity | Subpart Da | Changes to<br>Existing Affected<br>Facility | Subpart Ea,<br>Eb, or AAAA | Subpart<br>KKKK | Subpart Cb or<br>BBBB |
|-------------|---------------|------------------------------------|------------------------|------------|---|----------------------------|-----------------|-----------------------|
| GRP-HR03    | 60Db-03       | 05+CR                              | 100-250                | NO         | NO  | NO                         | NO              | NO                    |
| GRP-HR02    | 60Db-E        | 05+CR                              | 100-                   |            |   |                            |                 |                       |
|             |               |                                    |                        |            |   |                            |                 |                       |
|             |               |                                    |                        |            |   |                            |                 |                       |
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|             |               |                                    |                        |            |   |                            |                 |                       |

**Boiler/Steam Generator/Steam Generating Unit Attributes**

**Form OP-UA6 (Page 7)**

**Federal Operating Permit Program**

**Table 3b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**

**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | 03557      | 102323268            |

| Unit ID No. | SOP Index No. | D-Series<br>Fuel Type | D-Series<br>Fuel Type | D-Series<br>Fuel Type | Subpart D | Subpart J | Subpart E | ACF Option<br>SO <sub>2</sub> | ACF Option<br>PM | ACF Option<br>NO <sub>x</sub> |
|-------------|---------------|-----------------------|-----------------------|-----------------------|-----------|-----------|-----------|-------------------------------|------------------|-------------------------------|
| GRP-HR03    | 60Db-03       | NG                    |                       |                       |           | NO        | NO        | OTHER                         | OTHER            | OTHER                         |
| GRP-HR02    | 60Db-E        |                       |                       |                       |           |           |           |                               |                  |                               |
|             |               |                       |                       |                       |           |           |           |                               |                  |                               |
|             |               |                       |                       |                       |           |           |           |                               |                  |                               |
|             |               |                       |                       |                       |           |           |           |                               |                  |                               |
|             |               |                       |                       |                       |           |           |           |                               |                  |                               |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**

**Form OP-UA6 (Page 8)**

**Federal Operating Permit Program**

**Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**

**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | 60.42b (k)(2) Low Sulfur Exemption | 60.42 (k)(4) Alternative | Post-Combustion Control | 60.43b(h)(2) Alternative | Electrical or Mechanical Output | Output Based Limit | Steam with Electricity | Electricity Only | 60.49 Da(n) Alternative | 60.43 Da(m) Alternative |
|-------------|---------------|------------------------------------|--------------------------|-------------------------|--------------------------|---------------------------------|--------------------|------------------------|------------------|-------------------------|-------------------------|
| GRP-HR03    | 60Db-03       | YES                                |                          |                         |                          | NO                              |                    |                        |                  |                         |                         |
| GRP-HR02    | 60Db-E        |                                    |                          |                         |                          |                                 |                    |                        |                  |                         |                         |
|             |               |                                    |                          |                         |                          |                                 |                    |                        |                  |                         |                         |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 9)**  
**Federal Operating Permit Program**  
**Table 3d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| January 30, 2025 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Residual Oil Sampling | Monitoring Type PM | Monitoring Type Opacity | Monitoring Type NOx | Monitoring Type SO <sub>2</sub> | Technology Type | Unit Type | Heat Release Rate | Heat Input Gas/Oil | Heat Input Wood | Fuel Heat Input |
|-------------|---------------|-----------------------|--------------------|-------------------------|---------------------|---------------------------------|-----------------|-----------|-------------------|--------------------|-----------------|-----------------|
| GRP-HR03    | 60Db-03       |                       | NONE               | NONE                    | CEM                 | FLSMP                           | NONE            | OTHER     | NGLOW             | YES                |                 |                 |
| GRP-HR02    | 60Db-E        |                       |                    |                         |                     |                                 |                 |           |                   |                    |                 |                 |
|             |               |                       |                    |                         |                     |                                 |                 |           |                   |                    |                 |                 |
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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 10)**  
**Federal Operating Permit Program**

**Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**

| Date             |  | Permit No. |  |  | Regulated Entity No. |  |
|------------------|--|------------|--|--|----------------------|--|
| January 30, 2025 |  | O3557      |  |  | 102323268            |  |

| Unit ID No. | SOP Index No. | Alternate<br>Emission Limit<br>(AEL) | AEL ID. NO. | Facility Type | Monitoring Device | Common Fuel Source |
|-------------|---------------|--------------------------------------|-------------|---------------|-------------------|--------------------|
| GRP-HR03    | 60Db-03       |                                      |             |               |                   |                    |
| GRP-HR02    | 60Db-E        |                                      |             |               |                   |                    |
|             |               |                                      |             |               |                   |                    |
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|             |               |                                      |             |               |                   |                    |

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**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>

**Sent:** Friday, January 17, 2025 4:46 PM

**To:** Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>

**Cc:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Subject:** [EXTERNAL] RE: Technical Review -- FOP 03557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex

[Use caution with links/attachments]

Good afternoon all,

While reviewing your application and responses, there are a few more discrepancies we encountered that will need to be resolved. Please address the following items by **Friday, January 31<sup>st</sup>**.

OP-UA 12 - Group ID **GRP-EF-FUG, Index No. R5170-1**, on Table 22a for 30 TAC Chapter 115, Oil and Natural Gas Service, has Compressor Type answered with "CCOMPDS" which is correct (negative applicability for this rule). However, this group also has requirements from the attributes listed on Table 22e-o of this UA form. The codes you have listed are

correct but, we cannot have results that say rules do and do not apply. There are two solutions for this:

- You can create a different fugitive unit ID that will encompass the compressor(s) and the negative applicability results for that specific unit. (Our preferred method) OR
- You can create a separate Index No. for the compressor(s) so they are not part of the fugitive Index No. that do have requirements.

OP-UA6 – Group ID **GRP-HR03, Index No. 60Db-03** and Unit IDs **HR15.001A & HR15.001B, Index No. 60Db-01** – The UA form for NSPS Da, Db, and Dc was recently updated by TCEQ resulting in some new attribute answers that are blank in our system. Kindly review the Form OP UA-6 for these units and submit a revised copy.

- For **GRP-HR03**, since 60.42b(k)(2) Low Sulfur Exemption was answered "Yes", Monitoring Type for SO2 cannot be answered "NONE". Please provide an updated code for this question. Also please remove the answers for 60.49Da(n) Alternative and 60.49Da(m) Alternative as they are not required with your current choices on the form.
- For your reference, new questions that will need answers for these units (the Group ID and two Unit IDs) include: Temporary Boiler and Additional Applicability Requirement.

Please let me know if you have any questions and I would be happy to help! Thank you.

Sincerely,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

Phone: (512) 239-1279

Fax: (512) 239-1400



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

**From:** Parmley, Charles <CRParmley@eprod.com>  
**Sent:** Wednesday, November 6, 2024 3:51 PM  
**To:** Kyle Murray  
**Cc:** Bissonnette, Daniel  
**Subject:** RE: Technical Review -- FOP 03557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex  
**Attachments:** Major NSR Summary Table - 110624 updates.docx; OP-REQ1.pdf; OP-PBRSUP.pdf; OP-SUMR.pdf; OP-2.pdf; OP-UA2.pdf; OP-UA5.pdf; OP-UA12 Table 2a.pdf  
  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Kyle,

The updated forms and tables are attached. For item no. 5, please update the existing ID numbers to match what is in our current application. SV19.006A and SV19.006B are the correct IDs for these units. No new units are being added.

Thank you,

**Charles R Parmley**

Environmental Scientist | Air Compliance & Emissions Reporting  
1100 Louisiana St., Houston, TX 77002  
(O) 713-381-3836 | (C) 713-806-0098  
[crparmley@eprod.com](mailto:crparmley@eprod.com)



**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 11)**

**Federal Operating Permit Program**

**Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 30 TAC § 115.352 Applicable | < 250 Components at Site | Weight Percent VOC | Reciprocating Compressors or Positive Displacement Pumps |
|-------------|-------------------|-----------------------------------|--------------------------|--------------------|--|
| FUG-02126   | R5357-01          | NG                                | NO                       | 10+                | YES  |
| GRP-FUG02   | R5357-01          | NG                                | NO                       | 10+                | YES  |
| FUG-52130   | R5357-01          | NG                                | NO                       | 10+                | YES  |
| HD5FUG      | R5357-01          | NG                                | NO                       | 10+                | YES  |
|             |                   |                                   |                          |                    |  |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 12)**  
**Federal Operating Permit Program**  
**Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**  
**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,**  
**and Petrochemical Processes in Ozone Nonattainment Areas**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Rupture Disks | Instrumentation Systems | Sampling Connection Systems | TVP $\leq$ 0.002 psia |
|-------------|-------------------|---------------|-------------------------|-----------------------------|-----------------------|
| FUG-02126   | R5357-01          | YES           | NO                      | YES                         | NO                    |
| GRP-FUG02   | R5357-01          | YES           | NO                      | YES                         | NO                    |
| FUG-52130   | R5357-01          | YES           | NO                      | YES                         | NO                    |
| HD5FUG      | R5357-01          | NO            | NO                      | YES                         | NO                    |
|             |                   |               |                         |                             |                       |
|             |                   |               |                         |                             |                       |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 13)**

**Federal Operating Permit Program**

**Table 2c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components |     |            |                             |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|--|
|             |               | Process Drains                                  | ACR | ACR ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | NO  |     |            |                             |  |  |
| GRP-FUG02   | R5357-01      | NO  |     |            |                             |  |  |
| FUG-52130   | R5357-01      | NO  |     |            |                             |  |  |
| HD5FUG      | R5357-01      | NO  |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 14)**

**Federal Operating Permit Program**

**Table 2d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                            |  |  |
|-------------|---------------|---|-----|------------|----------------------------|--|--|
|             |               | Pressure Relief Valves                                      | ACR | ACR ID No. | Complying with §115.352(1) | TVP of Process Fluid VOC ≤ 0.044 psia at 68° F | TVP of Process Fluid VOC > 0.044 psia at 68° F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                        | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                        | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                        | NO   | YES  |
| HD5FUG      | R5357-01      | YES   | NO  |            | YES                        | NO   | YES  |
|             |               |   |     |            |                            |  |  |
|             |               |   |     |            |                            |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 15)**

**Federal Operating Permit Program**

**Table 2e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                              |  |  |
|-------------|---------------|---|-----|------------|------------------------------|--|--|
|             |               | Open-ended Valves and Lines                                 | ACR | ACR ID No. | Complying with § 115.352 (1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                          | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                          | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                          | NO   | YES  |
| HD5FUG      | R5357-01      | YES   | NO  |            | YES                          | NO   | YES  |
|             |               |   |     |            |                              |  |  |
|             |               |   |     |            |                              |  |  |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 16)**  
**Federal Operating Permit Program**  
**Table 2f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**  
**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,**  
**and Petrochemical Processes in Ozone Nonattainment Areas**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|--|
|             |               | Valves (Other than pressure relief and open-ended)          | ACR | ARC ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC ≤ 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                         | NO   | YES  |
| HD5FUG      | R5357-01      | YES   | NO  |            | YES                         | NO   | YES  |
|             |               |   |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 17)**

**Federal Operating Permit Program**

**Table 2g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |   |
|-------------|---------------|---|-----|------------|-----------------------------|--|---|
|             |               | Flanges   | ACR | ACR ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68°F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES   |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES   |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                         | NO   | YES   |
| HD5FUG      | R5357-01      | YES   | NO  |            | YES                         | NO   | YES   |
|             |               |   |     |            |                             |  |   |
|             |               |   |     |            |                             |  |   |
|             |               |   |     |            |                             |  |   |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 18)**

**Federal Operating Permit Program**

**Table 2h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|--|
|             |               | Agitators   | ACR | ACR ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | NO  |     |            |                             |  |  |
| GRP-FUG02   | R5357-01      | NO  |     |            |                             |  |  |
| FUG-52130   | R5357-01      | NO  |     |            |                             |  |  |
| HD5FUG      | R5357-01      | NO  |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 19)**

**Federal Operating Permit Program**

**Table 2i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |                   |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|-------------------|--|--|
|             |               | Compressor Seals  | ACR | ACR ID No. | Complying with § 115.352(1) | Hydrogen Content to Exceed 50% by Volume | Shaft Seal System | TVP of Process Fluid VOC ≤ 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                         | NO                                       | NO                | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                         | NO                                       | NO                | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                         | NO                                       | YES               | NO   | YES  |
| HD5FUG      | R5357-01      | NO  |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |
|             |               |   |     |            |                             |  |                   |  |  |



**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 20)**

**Federal Operating Permit Program**

**Table 2j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No |
|------------------|------------|---------------------|
| November 6, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 |     |            |                             | Unit              | Components (continued)                         |   |
|-------------|---------------|------------------------|-----|------------|-----------------------------|-------------------|--|---|
|             |               | Pump Seals             | ACR | ACR ID No. | Complying With § 115.352(1) | Shaft Seal System | TVP of Process Fluid VOC ≤ 0.044 psia at 68 °F | TVP of Process Fluid VOC >0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES                    | NO  |            | YES                         | NO                | YES  | YES   |
| GRP-FUG02   | R5357-01      | YES                    | NO  |            | YES                         | NO                | YES  | YES   |
| FUG-52130   | R5357-01      | YES                    | NO  |            | YES                         | YES               | NO   | YES   |
| HD5FUG      | R5357-01      | YES                    | NO  |            | YES                         | NO                | NO   | YES   |
|             |               |                        |     |            |                             |                   |  |   |
|             |               |                        |     |            |                             |                   |  |   |
|             |               |                        |     |            |                             |                   |  |   |
|             |               |                        |     |            |                             |                   |  |   |
|             |               |                        |     |            |                             |                   |  |   |
|             |               |                        |     |            |                             |                   |  |   |
|             |               |                        |     |            |                             |                   |  |   |

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

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| November 6, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Components Utilizing Alternative Work Practice in § 115.358 | Title 30 TAC Chapter 115 Fugitive Unit Description |
|-------------|---------------|---|--|
| FUG-02126   | R5357-01      | NO  | FRAC IV UNIT FUGITIVES                             |
| GRP-FUG02   | R5357-01      | NO  | FRAC V & VI UNIT FUGITIVES                         |
| FUG-52130   | R5357-01      | NO  | NORTH PLANT DIB UNIT FUGITIVES                     |
| HD5FUG      | R5357-01      | NO  | HD5 SPLITTER UNIT FUGITIVES                        |
|             |               |   |  |
|             |               |   |  |
|             |               |   |  |
|             |               |   |  |
|             |               |   |  |
|             |               |   |  |
|             |               |   |  |

Process Heater/Furnace Attributes

Form OP-UA5 (Page 1)

Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)

Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters

Texas Commission on Environmental Quality

| Date             |  | Permit No. |  |  | Regulated EntityNo. |  |  |
|------------------|--|------------|--|--|---------------------|--|--|
| November 6, 2024 |  | O3557      |  |  | 102323268           |  |  |

| Unit ID No. | SOP/GOP Index No. | Unit Type | Maximum Rated Capacity | RACT Date Placed in Service | Functionally Identical Replacement | Fuel Type(s) |  |  | Annual Heat Input | NO <sub>x</sub> Emission Limitation | Opt-In Unit | 23C-Option |
|-------------|-------------------|-----------|------------------------|-----------------------------|------------------------------------|--------------|--|--|-------------------|-------------------------------------|-------------|------------|
| GRP-HR03    | R7310-04          | PRHTR     | 100-200                |                             |                                    | NG           |  |  | 22-               | 310D                                |             |            |
| GRP-HR02    | R7310-02          | PRHTR     | 2-40                   |                             |                                    | NG           |  |  |                   | 310D                                |             |            |
| HD5HTR      | R7310-02          | PRHTR     | 2-40                   |                             |                                    | NG           |  |  |                   | 310D                                |             |            |
|             |                   |           |                        |                             |                                    |              |  |  |                   |                                     |             |            |
|             |                   |           |                        |                             |                                    |              |  |  |                   |                                     |             |            |

**Process Heater/Furnace Attributes**

**Form OP-UA5 (Page 2)**

**Federal Operating Permit Program**

**Table 1b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**

**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas,  
Process Heaters  
Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| November 6, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Diluent CEMS | 30 TAC Chapter 116 Limit | NO <sub>x</sub> Emission Limit Basis | NO <sub>x</sub> Reduction | Common Stack Combined | Fuel Type Heat Input | NO <sub>x</sub> Monitoring System |
|-------------|---------------|--------------|--------------------------|--------------------------------------|---------------------------|-----------------------|----------------------|-----------------------------------|
| GRP-HR03    | R7310-04      | NO           |                          | BLK1-LB                              | NONE                      |                       |                      | CEMS                              |
| GRP-HR02    | R7310-02      | NO           |                          | OTHER                                | NONE                      |                       |                      | MERT                              |
| HD5HTR      | R7310-02      | NO           |                          | BLK1-LB                              | NONE                      |                       |                      | MERT                              |
|             |               |              |                          |                                      |                           |                       |                      |                                   |
|             |               |              |                          |                                      |                           |                       |                      |                                   |

**Process Heater/Furnace Attributes**

**Form OP-UA5 (Page 3)**

**Federal Operating Permit Program**

**Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**

**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**

**Texas Commission on Environmental Quality**

| <b>Date</b>      | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|------------------|-------------------|-----------------------------|
| November 6, 2024 | O3557             | 102323268                   |

| <b>Unit ID No.</b> | <b>SOP Index No.</b> | <b>Fuel Flow Monitoring</b> | <b>CO Emission Limitation</b> | <b>CO Monitoring System</b> | <b>NH<sub>3</sub> Emission Limitation</b> | <b>NH<sub>3</sub> Monitoring</b> |
|--------------------|----------------------|-----------------------------|-------------------------------|-----------------------------|---|----------------------------------|
| GRP-HR03           | R7310-04             | X40A                        | 310C                          | CEMS                        |   |                                  |
| GRP-HR02           | R7310-02             | X40A                        | 310C                          | OTHER                       |   |                                  |
| HD5HTR             | R7310-02             | X40A                        | 310C                          | OTHER                       |   |                                  |
|                    |                      |                             |                               |                             |   |                                  |
|                    |                      |                             |                               |                             |   |                                  |

**Process Heater/Furnace Attributes**  
**Form OP-UA5 (Page 10)**  
**Federal Operating Permit Program**  
**Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**  
**Texas Commission on Environmental Quality**

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| November 6, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Commence | Table Applicability | HCl Emission | HCl-CMS |
|-------------|-------------------|----------|---------------------|--------------|---------|
| GRP-HR03    | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| GRP-HR02    | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.001A   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.001B   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.002A   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.002B   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HD5HTR      | 63DDDDDD-01       | EXIST    | T3.3G1              |              |         |
|             |                   |          |                     |              |         |
|             |                   |          |                     |              |         |
|             |                   |          |                     |              |         |

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 10)

Federal Operating Permit Program

Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Texas Commission on Environmental Quality

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| November 6, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Applicability Date | Exemptions | Service | Commencing | Manufacture Date |
|-------------|-------------------|--------------------|------------|---------|------------|------------------|
| 128GE14001  | 60IIII-01         | 2005+              | NONE       | EMERG   | CON        | 0406+            |
| 129GE14001  | 60IIII-01         | 2005+              | NONE       | EMERG   | CON        | 0406+            |
| EF EMG ENG  | 60IIII-01         | 2005+              | NONE       | EMERG   | CON        | 0406+            |
| EF FWP      | 60IIII-01         | 2005+              | NONE       | FIRE    | CON        | 0706+            |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 11)

Federal Operating Permit Program

Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Texas Commission on Environmental Quality

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| November 6, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Diesel | AES No. | Displacement | Generator Set | Model Year | Install Date |
|-------------|-------------------|--------|---------|--------------|---------------|------------|--------------|
| 128GE14001  | 60IIII-01         | DIESEL |         | 10-          |               | 2011       |              |
| 129GE14001  | 60IIII-01         | DIESEL |         | 10-          |               | 2013       |              |
| EF EMG ENG  | 60IIII-01         | DIESEL |         | 10-CS        |               | 2013       |              |
| EF FWP      | 60IIII-01         | DIESEL |         | 10-          |               | 2013       |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |



Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 12)

Federal Operating Permit Program

Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Texas Commission on Environmental Quality

| Date             | Permit No. | Regulated Entity No. |
|------------------|------------|----------------------|
| November 6, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Kilowatts | Filter | AECD | Standard | Compliance Option | PM Compliance | Options |
|-------------|-------------------|-----------|--------|------|----------|-------------------|---------------|---------|
| 128GE14001  | 60IIII-01         | E130-368  |        | NO   | YES      | MANU YES          |               |         |
| 129GE14001  | 60IIII-01         | E130-368  |        | NO   | YES      | MANU YES          |               |         |
| EF EMG ENG  | 60IIII-01         | E130-368  |        | NO   | YES      | MANU YES          |               |         |
| EF FWP      | 60IIII-01         | F130-368  |        | NO   | YES      | MANU YES          |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |

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

|        | Permit No. | Regulated Entity No. |
|--------|------------|----------------------|
| , 2024 | O3557      | 102323268            |

| 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 |
|---------------------|------------------------------|--|------------------|---|--|
| 126HR15001          | OP-UA5<br>OP-UA6             | HOT OIL HEATER (126HR15.001)           |                  | 87477   |  |
| 126HR15002          | OP-UA5<br>OP-UA6             | REGENERANT HEATER<br>(126HR15.002)     |                  | 87477   |  |
| 126HT16028          | OP-REQ2                      | REFRIGERANT CONDENSOR<br>(126HT16.028) |                  | 87477   |  |
| 126HT16029          | OP-REQ2                      | REFLUX COOLER (126HT16.029)            |                  | 87477   |  |
| 126SK25001          | OP-UA7                       | FLARE FL-4                             |                  | 87477, 93268, 95777,<br>106.262/11/01/2003[111147]<br>, 106.261/11/01/2003[94067] |  |
| 126SV19002          | OP-UA3, OP-REQ2              | AMINE TANK (126SV19.002)               |                  | 87477   |  |
| 126SV19003          | OP-UA3, OP-REQ2              | LEAN OIL AMINE TANK<br>(126SV19.003)   |                  | 87477   |  |
| 126SV19004          | OP-UA3, OP-REQ2              | LUBE OIL TANK (126SV19.004)            |                  | 87477   |  |
| 126SV19006          | OP-UA3, OP-REQ2              | PRODUCED WATER TANK<br>(126SV19.006)   |                  | 87477   |  |
| FUG-02126           | OP-UA12                      | FRACTIONATION UNIT IV                  |                  | 87477   |  |

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

|        | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|--------|-------------------|-----------------------------|
| , 2024 | O3557             | 102323268                   |

| <b>Unit/Process ID No.</b> | <b>Unit/Process Applicable Form</b> | <b>Unit/Process Name/Description</b>        | <b>Unit/Process CAM</b> | <b>Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106</b> | <b>Preconstruction Authorizations Title I</b> |
|----------------------------|-------------------------------------|---|-------------------------|--|---|
| 128HR16001                 | OP-UA5<br>OP-UA6                    | HOT OIL HEATER (128HR16.001)                |                         | 93268  |   |
| 128HR16002                 | OP-UA5<br>OP-UA6                    | REGENERANT HEATER<br>(128HR16.002)          |                         | 93268  |   |
| 128HT17028                 | OP-REQ2                             | REFRIGERANT CONDENSER<br>(128HT16.028)      |                         | 93268  |   |
| 128HT17029                 | OP-REQ2                             | REFLUX COOLER (128HT17.029)                 |                         | 93268  |   |
| 128SV19002                 | OP-UA3, OP-<br>REQ2                 | AMINE TANK (128SV19.002)                    |                         | 93268  |   |
| 128SV19003                 | OP-UA3, OP-<br>REQ2                 | LEAN AMINE TANK (128SV19.003)               |                         | 93268  |   |
| 128SV19006                 | OP-UA3, OP-<br>REQ2                 | WASTEWATER CONDENSATE TANK<br>(128SV19.006) |                         | 93268  |   |
| 128GE14001                 | OP-UA2                              | EMERGENCY GENERATOR                         |                         | 106.511/09/04/2000   |   |
| 128PV17030                 | OP-REQ2                             | HOT OIL SURGE DRUM (128PV17.030)            |                         | 106.472/09/04/2000   |   |
| 128PV17031                 | OP-REQ2                             | LUBE OIL FLASH DRUM<br>(128PV17.031)        |                         | 106.472/09/04/2000   |   |
| 128PV17032                 | OP-REQ2                             | FUEL GAS KO DRUM (128PV17.032)              |                         | 106.472/09/04/2000   |   |

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

|        | Permit No. | Regulated Entity No. |
|--------|------------|----------------------|
| , 2024 | O3557      | 102323268            |

| 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 |
|---------------------|------------------------------|--|------------------|---|--|
| 128PV17033          | OP-REQ2                      | STAINLESS STEEL DRAIN FLASH DRUM (128PV17.033) |                  | 106.472/09/04/2000  |  |
| 128PV17036          | OP-REQ2                      | PROCESS WASTE WATER FLASH DRUM (128PV17.036)   |                  | 106.472/09/04/2000  |  |
| 128SV19012          | OP-UA3, OP-REQ2              | CLARIFIER WATER TANK (128SV19.0120)            |                  | 106.472/09/04/2000  |  |
| 128SV19016          | OP-UA3, OP-REQ2              | REVERSE OSMOSIS PERMEATE TANK (128SV19.016)    |                  | 106.472/09/04/2000  |  |
| 128SV19017          | OP-UA3, OP-REQ2              | BLEACH TANK (128SV19.017)                      |                  | 106.472/09/04/2000  |  |
| 128SV19018          | OP-UA3, OP-REQ2              | COAGULANT MIXER TANK (128SV19.018)             |                  | 106.472/09/04/2000  |  |
| 128SV19019A         | OP-UA3, OP-REQ2              | BLEACH TANK (128SV19.019A)                     |                  | 106.472/09/04/2000  |  |
| 128SV19019B         | OP-UA3, OP-REQ2              | REFLUX WSAC BLEACH TANK                        |                  | 106.472/09/04/2000  |  |
| 128SV19021          | OP-UA3, OP-REQ2              | POLYMER TANK (128SV19.021)                     |                  | 106.472/09/04/2000  |  |
| 128SV19023          | OP-UA3, OP-REQ2              | ALUMINUM/POLYMER TANK (128SV19.023)            |                  | 106.472/09/04/2000  |  |
| 128SV20004          | OP-UA3, OP-REQ2              | LUBE OIL TANK (128SV20.004)                    |                  | 93268   |  |

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

|        | Permit No. | Regulated Entity No. |
|--------|------------|----------------------|
| , 2024 | O3557      | 102323268            |

| 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 |
|---------------------|------------------------------|-------------------------------------|------------------|---|--|
| 128SV20008          | OP-UA3                       | PROCESS WATER TANK (128SV20.008)    |                  | 93268   |  |
| FUG-02128           | OP-UA12                      | FRACTIONATION UNIT V                |                  | 93268, 106.472/09/04/2000   |  |
| 129GE14001          | OP-UA2                       | EMERGENCY GENERATOR                 |                  | 106.511/09/04/2000  |  |
| 129HR17001          | OP-UA5<br>OP-UA6             | HOT OIL HEATER (129HR17.001)        |                  | 95777   |  |
| 129HR17002          | OP-UA5<br>OP-UA6             | REGENERANT HEATER (129HR17.002)     |                  | 95777   |  |
| 129HT18028          | OP-REQ2                      | REFRIGERANT CONDENSER (129HT16.028) |                  | 95777   |  |
| 129HT18029          | OP-REQ2                      | REFLUX COOLER (129HT17.029)         |                  | 95777   |  |
| 129PV17008          | OP-UA3, OP-REQ2              | LUBE OIL TANK (129PV17.008)         |                  | 95777   |  |
| 129SV19002          | OP-UA3, OP-REQ2              | AMINE TANK (129SV19.002)            |                  | 95777   |  |
| 129SV19003          | OP-UA3, OP-REQ2              | LEAN AMINE TANK (129SV19.003)       |                  | 95777   |  |
| 129SV19006          | OP-UA3, OP-REQ2              | PRODUCED WATER TANK (129SV19.006)   |                  | 95777   |  |

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

|        | Permit No. | Regulated Entity No. |
|--------|------------|----------------------|
| , 2024 | O3557      | 102323268            |

| 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 |
|---------------------|------------------------------|------------------------------------|------------------|---|--|
| 129SV19008          | OP-UA3                       | PROCESS WATER TANK (129SV19.008)   |                  | 106.472/09/04/2000  |  |
| 129SV19012          | OP-UA3, OP-REQ2              | CLARIFIED WATER TANK (129SV19.012) |                  | 106.472/09/04/2000  |  |
| 129SV19014          | OP-UA3, OP-REQ2              | POLYMER TANK (129SV19.014)         |                  | 106.472/09/04/2000  |  |
| 129SV19016          | OP-UA3, OP-REQ2              | ALUM/POLYMER TANK (129SV19.016)    |                  | 106.472/09/04/2000  |  |
| 129SV19017          | OP-UA3, OP-REQ2              | BLEACH TANK (129SV19.017)          |                  | 106.472/09/04/2000  |  |
| 129SV19018          | OP-UA3, OP-REQ2              | COAGULANT MIXER TANK (129SV19.018) |                  | 106.472/09/04/2000  |  |
| 129SV19019A         | OP-UA3, OP-REQ2              | BLEACH TANK (129SV19.019A)         |                  | 106.472/09/04/2000  |  |
| 129SV19019B         | OP-UA3, OP-REQ2              | REFLUX WSAC BLEACH TANK            |                  | 106.472/09/04/2000  |  |
| FUG-02129           | OP-UA12                      | FRACTIONATION UNIT VI              |                  | 95777   |  |
| 136CAUSTK1          | OP-UA3, OP-REQ2              | TREATMENT TANK                     |                  | 106.472/09/04/2000<br>[111147]  |  |
| 136CAUSTK2          | OP-UA3, OP-REQ2              | TREATMENT TANK                     |                  | 106.472/09/04/2000<br>[111147]  |  |

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

|        | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|--------|-------------------|-----------------------------|
| , 2024 | O3557             | 102323268                   |

| <b>Unit/Process ID No.</b> | <b>Unit/Process<br/>Applicable Form</b> | <b>Unit/Process Name/Description</b> | <b>Unit/Process<br/>CAM</b> | <b>Preconstruction<br/>Authorizations 30 TAC<br/>Chapter 116/ 30 TAC Chapter<br/>106</b> | <b>Preconstruction<br/>Authorizations Title I</b> |
|----------------------------|---|--------------------------------------|-----------------------------|--|---|
| 136CAUSTK3                 | OP-UA3, OP-<br>REQ2                     | TREATMENT TANK                       |                             | 106.472/09/04/2000<br>[111147]   |   |
| FUG-52130                  | OP-UA12                                 | NORTH PLANT DIB UNIT FUGITIVES       |                             | 106.2611/11/01/2003[94067]   |   |

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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

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

|  |   |
|--|---|
| <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.<br><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.<br><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<br><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  |



**Texas Commission on Environmental Quality**  
**Application Area-Wide Applicability Determinations and General Information**  
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|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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

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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.<br><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.<br><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            |

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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

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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.<br><br><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 type="checkbox"/> YES <input checked="" 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 checked="" type="checkbox"/> YES <input 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 checked="" type="checkbox"/> YES <input 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 |

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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|  |                           |   |                |
|--|---------------------------|---|----------------|
| <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.: PSDTX1286  | Issuance Date: 4/18/2022  | Pollutant(s): CO, NO <sub>x</sub> , VOC |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| 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.: N154  | Issuance Date: 04/18/2022 | Pollutant(s): CO, NO <sub>x</sub> , VOC |                |
| 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: |
| <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.: 100091  | Issuance Date: 04/18/2022 | Authorization No.:                      | Issuance Date: |
| Authorization No.: 87477   | Issuance Date: 03/06/2018 | Authorization No.:                      | Issuance Date: |
| Authorization No.: 93268   | Issuance Date: 09/11/2019 | Authorization No.:                      | Issuance Date: |
| Authorization No.: 95777   | Issuance Date: 05/13/2020 | Authorization No.:                      | Issuance Date: |
| Authorization No.:   | Issuance Date:            | Authorization No.:                      | Issuance Date: |

## Federal Operating Permit Program

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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

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[illegible]

**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 |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|-------------|------------------|---------|-------------------|
| FUG-52130   | 94067            | 106.261 | 12/17/2010        |
| 126SK25001  | 94067            | 106.261 | 12/17/2010        |
| 126SK25001  | 111147           | 106.262 | 7/22/2013         |
| 136CAUSTK1  | 111147           | 106.472 | 7/22/2013         |
| 136CAUSTK2  | 111147           | 106.472 | 7/22/2013         |
| 136CAUSTK3  | 111147           | 106.472 | 7/22/2013         |

**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 |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| EF EMG ENG  | 106.511 | 9/4/2000         |
| EF FWP      | 106.511 | 9/4/2000         |
| 128DTNK     | 106.472 | 9/4/2000         |
| FUG-02128   | 106.472 | 9/4/2000         |
| SITEWIDE    | 106.263 | 11/1/2001        |
| SITEWIDE    | 106.359 | 9/10/2013        |
| 128GE14001  | 106.511 | 9/4/2000         |
| 128PV17030  | 106.472 | 9/4/2000         |
| 128PV17031  | 106.472 | 9/4/2000         |
| 128PV17032  | 106.472 | 9/4/2000         |
| 128PV17033  | 106.472 | 9/4/2000         |
| 128PV17036  | 106.472 | 9/4/2000         |
| 128SV19012  | 106.472 | 9/4/2000         |
| 128SV19016  | 106.472 | 9/4/2000         |
| 128SV19017  | 106.472 | 9/4/2000         |
| 128SV19018  | 106.472 | 9/4/2000         |
| 128SV19019A | 106.472 | 9/4/2000         |
| 128SV19019B | 106.472 | 9/4/2000         |
| 128SV19021  | 106.472 | 9/4/2000         |
| 128SV19023  | 106.472 | 9/4/2000         |
| 129GE14001  | 106.511 | 9/4/2000         |
| 129SV19008  | 106.472 | 9/4/2000         |
| 129SV19012  | 106.472 | 9/4/2000         |
| 129SV19014  | 106.472 | 9/4/2000         |

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

| Date             | Permit Number | Regulated Entity Number |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| 129SV19016  | 106.472 | 9/4/2000         |
| 129SV19017  | 106.472 | 9/4/2000         |
| 129SV19018  | 106.472 | 9/4/2000         |
| 129SV19019A | 106.472 | 9/4/2000         |
| 129SV19019B | 106.472 | 9/4/2000         |
| HD5FUG      | 106.352 | 11/22/2012       |
| HD5HTR      | 106.352 | 11/22/2012       |
|             |         |                  |

**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 |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| PBR No. | Version No./Date |
|---------|------------------|
| 106.122 | 9/4/2000         |
|         |                  |
|         |                  |
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|         |                  |
|         |                  |



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

| Date             | Permit Number | Regulated Entity Number |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement  |
|-------------|---------|--------------------------------------|---|
| FUG-52130   | 106.261 | 94067                                | Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3). |
| 126SK25001  | 106.261 | 94067                                | Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3). |
| 126SK25001  | 106.262 | 111147                               | Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).     |
| 136CAUSTK1  | 106.472 | 111147                               | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| 136CAUSTK2  | 106.472 | 111147                               | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| 136CAUSTK3  | 106.472 | 111147                               | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| EF EMG ENG  | 106.511 | 9/4/2000                             | Maintain records of total runtime hours per month.  |
| EF FWP      | 106.511 | 9/4/2000                             | Maintain records of total runtime hours per month.  |
| 128DTNK     | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| FUG-02128   | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| Sitewide    | 106.263 | 11/1/2001                            | The facility will maintain records in accordance with 30 TAC 106.263(g).                              |

**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 |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement   |
|-------------|---------|--------------------------------------|--|
| Sitewide    | 106.359 | 9/10/2013                            | The facility will maintain records in accordance with 30 TAC 106.359(c)(2)(E).                   |
| 128GE14001  | 106.511 | 9/4/2000                             | Maintain records of total runtime hours per month.   |
| 128PV17030  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17031  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17032  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17033  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17036  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19012  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19016  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19017  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |

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

| Date             | Permit Number | Regulated Entity Number |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement   |
|-------------|---------|--------------------------------------|--|
| 128SV19018  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19019A | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19019B | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19021  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19023  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129GE14001  | 106.511 | 9/4/2000                             | Maintain records of total runtime hours per month.   |
| 129SV19008  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19012  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19014  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19016  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |

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

| Date             | Permit Number | Regulated Entity Number |
|------------------|---------------|-------------------------|
| November 6, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date Or Registration No. | Monitoring Requirement   |
|-------------|---------|--------------------------------------|--|
| 129SV19017  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19018  | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19019A | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19019B | 106.472 | 9/4/2000                             | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| HD5FUG      | 106.352 | 11/22/2012                           | Follow the demonstration of compliance requirements in 106.352 Table 7.                          |
| HD5HTR      | 106.352 | 11/22/2012                           | Follow the demonstration of compliance requirements in 106.352 Table 7.                          |

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

|   |                                   |  |   |
|---|-----------------------------------|--|---|
| Date:   | November 6, 2024                  |  |   |
| Permit No.:   | O3557                             |  |   |
| Regulated Entity No.:   | 102323268                         |  |   |
| Company / Area Name:  | Enterprise Products Operating LLC |  |   |
| For Submissions to EPA  |                                   |  |   |
| Has a copy of this application been submitted (or is being submitted) to EPA?   |                                   |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <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  |                                   |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| For GOP Revisions Only  |                                   |  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

|   |     |                                     |                 |                                     |                 |                                     |                  |
|---|-----|-------------------------------------|-----------------|-------------------------------------|-----------------|-------------------------------------|------------------|
| <b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or a change in regulations.)</b>   |     |                                     |                 |                                     |                 |                                     |                  |
| Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:  |     |                                     |                 |                                     |                 |                                     |                  |
| <input checked="" type="checkbox"/>   | VOC | <input checked="" type="checkbox"/> | NO <sub>x</sub> | <input checked="" 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 the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol. |     |                                     |                 |                                     |                 |                                     |                  |

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

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                  | NSR Authorization                     | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|------------|------------------|---------------------------------------|---|
|              |               | New Unit           | ID No.     | Applicable Form  |                                       |   |
| 1            | SIG-E         | No                 | Sitewide   | -                | -                                     | Renew FOP O1641 pursuant to 30 TAC Chapter 122, Subchapter C, Division 4. Supplemental data for all registered and claimed PBRs under which the site is operating is provided on Form OP-PBRSUP, as required for all FOP renewals submitted after August 1, 2020. |
| 2            | SIG-E         | No                 | Various    | OP-SUMR          | Various                               | Update NSR and PBR authorizations for sources listed on OP-SUMR.  |
| 3            | MS-A          | No                 | Sitewide   | OP-REQ1          | Various                               | Update NSR and PBR authorizations as indicated on the OP-REQ1.  |
| 4            | MS-C          | Yes                | 126HR15001 | OP-UA5<br>OP-UA6 | 87477                                 | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.   |
| 5            | MS-C          | Yes                | 126HR15002 | OP-UA5<br>OP-UA6 | 87477                                 | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.  |
| 6            | SIG-E         | Yes                | 126HT16028 | OP-REQ2          | 87477                                 | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.   |
| 7            | SIG-E         | Yes                | 126HT16029 | OP-REQ2          | 87477                                 | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.   |
| 8            | MS-C          | Yes                | 126SK25001 | OP-UA7           | 87477, 93268, 95777, 106.262, 106.261 | Add flare source to permit with NSPS A and Chapter 111 applicability. Source is being moved from FOP O1641 to O3557.  |
| 9            | SIG-E         | Yes                | 126SV19002 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 10           | SIG-E         | Yes                | 126SV19003 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 11           | SIG-E         | Yes                | 126SV19004 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK07</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |

**Federal Operating Permit Program**  
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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                  | NSR Authorization | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|------------------|-------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form  |                   |  |
| 12           | SIG-E         | Yes                | 126SV19006 | OP-UA3, OP-REQ2  | 87477             | Add tank source to permit and new group <b>GRP-TK03</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 13           | MS-C          | Yes                | FUG-02126  | OP-UA12          | 87477             | Add fugitive source to permit with Chapter 115, NSPS KKK, and MACT HH applicability. Source is being moved from FOP O1641 to O3557.  |
| 14           | MS-C          | Yes                | 128HR16001 | OP-UA5<br>OP-UA6 | 93268             | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.              |
| 15           | MS-C          | Yes                | 128HR16002 | OP-UA5<br>OP-UA6 | 93268             | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.             |
| 16           | SIG-E         | Yes                | 128HT17028 | OP-REQ2          | 93268             | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 17           | SIG-E         | Yes                | 128HT17029 | OP-REQ2          | 93268             | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 18           | SIG-E         | Yes                | 128SV19002 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 19           | SIG-E         | Yes                | 128SV19003 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 20           | SIG-E         | Yes                | 128SV19006 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK03</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |



**Federal Operating Permit Program**  
**Application for Permit Revision/Renewal**  
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**Texas Commission on Environmental Quality**

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|-------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.      | Applicable Form |                    |   |
| 21           | MS-C          | Yes                | 128GE14001  | OP-UA2          | 106.511/09/04/2000 | Add engine source to permit with Chapter 117, NSPS IIII, and MACT ZZZZ applicability. Source is being moved from FOP O1641 to O3557.  |
| 22           | MS-C          | Yes                | 128PV17030  | OP-REQ2         | 106.472/09/04/2000 | Add source to permit with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 23           | SIG-E         | Yes                | 128PV17031  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 24           | SIG-E         | Yes                | 128PV17032  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 25           | SIG-E         | Yes                | 128PV17033  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 26           | SIG-E         | Yes                | 128PV17036  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 27           | SIG-E         | Yes                | 128SV19012  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citation and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 28           | SIG-E         | Yes                | 128SV19016  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 29           | SIG-E         | Yes                | 128SV19017  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                     |
| 30           | SIG-E         | Yes                | 128SV19018  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 31           | SIG-E         | Yes                | 128SV19019A | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                     |

**Federal Operating Permit Program**  
**Application for Permit Revision/Renewal**  
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**Texas Commission on Environmental Quality**

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                  | NSR Authorization            | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|-------------|------------------|------------------------------|--|
|              |               | New Unit           | ID No.      | Applicable Form  |                              |  |
| 32           | SIG-E         | Yes                | 128SV19019B | OP-UA3, OP-REQ2  | 106.472/09/04/2000           | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 33           | SIG-E         | Yes                | 128SV19021  | OP-UA3, OP-REQ2  | 106.472/09/04/2000           | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 34           | SIG-E         | Yes                | 128SV19023  | OP-UA3, OP-REQ2  | 106.472/09/04/2000           | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 35           | SIG-E         | Yes                | 128SV20004  | OP-UA3, OP-REQ2  | 93268                        | Add tank source to permit and new group <b>GRP-TK07</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 36           | MS-C          | Yes                | 128SV20008  | OP-UA3           | 93268                        | Add source to permit with Chapter 115 and NSPS Kb applicability. Source is being moved from FOP O1641 to O3557.  |
| 37           | MS-C          | Yes                | FUG-02128   | OP-UA12          | 93268,<br>106.472/09/04/2000 | Add fugitive source to permit and new group <b>GRP-FUG02</b> with Chapter 115 and NSPS KKK applicability. Source is being moved from FOP O1641 to O3557.                         |
| 38           | MS-C          | Yes                | 129GE14001  | OP-UA2           | 106.511/09/04/2000           | Add engine source to permit with Chapter 117, NSPS IIII, and MACT ZZZZ applicability. Source is being moved from FOP O1641 to O3557.   |
| 39           | MS-C          | Yes                | 129HR17001  | OP-UA5<br>OP-UA6 | 95777                        | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.              |
| 40           | MS-C          | Yes                | 129HR17002  | OP-UA5<br>OP-UA6 | 95777                        | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.             |
| 41           | SIG-E         | Yes                | 129HT18028  | OP-REQ2          | 95777                        | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |

**Federal Operating Permit Program**  
**Application for Permit Revision/Renewal**  
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**Texas Commission on Environmental Quality**

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|-----------------|--------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form |                    |  |
| 42           | SIG-E         | Yes                | 129HT18029 | OP-REQ2         | 95777              | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 43           | SIG-E         | Yes                | 129PV17008 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 44           | SIG-E         | Yes                | 129SV19002 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 45           | SIG-E         | Yes                | 129SV19003 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 46           | SIG-E         | Yes                | 129SV19006 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                               |
| 47           | MS-C          | Yes                | 129SV19008 | OP-UA3          | 106.472/09/04/2000 | Add source to permit with Chapter 115 and NSPS Kb applicability. Source is being moved from FOP O1641 to O3557.  |
| 48           | SIG-E         | Yes                | 129SV19012 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 49           | SIG-E         | Yes                | 129SV19014 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 50           | SIG-E         | Yes                | 129SV19016 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 51           | SIG-E         | Yes                | 129SV19017 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |

**Federal Operating Permit Program**  
**Application for Permit Revision/Renewal**  
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**Texas Commission on Environmental Quality**

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|-------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.      | Applicable Form |                    |   |
| 52           | SIG-E         | Yes                | 129SV19018  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 53           | SIG-E         | Yes                | 129SV19019A | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.       |
| 54           | SIG-E         | Yes                | 129SV19019B | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.       |
| 55           | MS-C          | Yes                | FUG-02129   | OP-UA12         | 95777              | Add fugitive source to permit and new group <b>GRP-FUG02</b> with Chapter 115, NSPS KKK applicability. Source is being moved from FOP O1641 to O3557.             |
| 56           | MS-C          | No                 | HR15.001A   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 57           | MS-C          | No                 | HR15.001B   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 58           | MS-C          | No                 | HR15.002A   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 59           | MS-C          | No                 | HR15.002B   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 60           | MS-C          | No                 | GRP-EF-FUG  | OP-UA12         | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for fugitives at a Natural Gas Plant. Update NSPS OOOO applicability due to TCEQ form development. |
| 61           | MS-C          | No                 | SV19.002A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 62           | MS-C          | No                 | SV19.0002B  | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 63           | MS-C          | No                 | SV19.003A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 64           | MS-C          | No                 | SV19.003B   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 65           | MS-C          | No                 | SV19.006A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |

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

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

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

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | November 6, 2024                  |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.     | Applicable Form |                    |   |
| 66           | MS-C          | No                 | SV19.006B  | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.                |
| 67           | SIG-E         | Yes                | 136CAUSTK1 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for Chapter 115 and NSPS Kb.        |
| 68           | SIG-E         | Yes                | 136CAUSTK2 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for 30 TAC Chapter 115 and NSPS Kb. |
| 69           | SIG-E         | Yes                | 136CAUSTK3 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for 30 TAC Chapter 115 and NSPS Kb. |
| 70           | MS-C          | No                 | HD5FUG     | OP-UA12         | N/A                | Update NSPS OOOO applicability due to TCEQ form development.  |
| 71           | MS-C          | Yes                | FUG-52130  | OP-UA12         | 106.261/11/01/2003 | Add new source to permit with 30 TAC Chapter 115 and NSPS OOOO applicability.   |

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

|   |                                     |     |  |
|---|-------------------------------------|-----|--|
| <b>Date:</b>  | November 6, 2024                    |     |  |
| <b>Permit No.:</b>  | O3557                               |     |  |
| <b>Regulated Entity No.:</b>  | 102323268                           |     |  |
| <b>Company / Area Name:</b>   | Enterprise Products Operating LLC   |     |  |
| <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 languages(s) in which public notice is required:  | Spanish                             |     |  |
| C. Will there be a change in air pollutant emissions as a result of the significant revision?   | <input type="checkbox"/>            | YES | <input checked="" type="checkbox"/> NO |



# Texas Commission on Environmental Quality

## Major NSR Summary Table

| Permit Number: 100091, PSDTX1286, and N154 |                          |  |   | Issuance Date: <del>November 17, 2014</del> April 18, 2022 (MAERT <del>11/14/2014</del> 4/18/2022) |  |  |                            |
|--|--------------------------|--|---|--|--|--|----------------------------|
| Emission Point Number <sup>1</sup> (EPN)   | Source Name <sup>2</sup> | Air Contaminant Name <sup>3</sup>  | Emission Rates *  |  | Monitoring and Testing Requirements      | Recordkeeping Requirements                   | Reporting Requirements     |
|  |                          |  | lb/hr   | (TPY) <sup>4</sup>   | Spec. Cond.                              | Spec. Cond.                                  | Spec. Cond.                |
| HR15001A                                   | Hot Oil Heater           | NO <sub>x</sub><br>CO<br>VOC<br>PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub><br>SO <sub>2</sub> | 4.00<br><del>6.25</del><br><u>12.43</u><br>0.28<br>0.56<br><u>0.56</u><br><u>0.56</u><br>0.35 | 15.33<br><del>27.36</del> <u>23</u><br>1.23<br>2.45<br><u>2.45</u><br><u>2.45</u><br>1.52          | <u>11, 12, 13</u> <del>7, 8, 9, 10</del> | <del>7, 8, 9,</del> 10, <u>11, 12,</u><br>14 | <u>9, 10, 12</u> <u>13</u> |
| HR15001B                                   | Hot Oil Heater           | NO <sub>x</sub><br>CO<br>VOC<br>PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub><br>SO <sub>2</sub> | 4.00<br><del>6.25</del><br><u>12.43</u><br>0.28<br>0.56<br><u>0.56</u><br><u>0.56</u><br>0.35 | 15.33<br><del>27.36</del> <u>23</u><br>1.23<br>2.45<br><u>2.45</u><br><u>2.45</u><br>1.52          | <del>7, 8, 9, 10</del> <u>11, 12, 13</u> | <del>7, 8, 9,</del> 10, <u>11, 12,</u><br>14 | <u>9, 10, 12</u> <u>13</u> |
| HR15002A                                   | Regenerant Heater        | NO <sub>x</sub><br>CO<br>VOC<br>PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub><br>SO <sub>2</sub> | 1.00<br><del>2.54</del><br><u>3.80</u><br>0.06<br>0.14<br><u>0.14</u><br><u>0.14</u><br>0.07  | 3.12<br><del>5.57</del> <u>54</u><br>0.25<br>0.62<br><u>0.62</u><br><u>0.62</u><br>0.31            | <u>7, 8</u>                              | <u>7, 8, 12, 14</u> <u>10</u>                | <u>12</u>                  |
| HR15002B                                   | Regenerant Heater        | NO <sub>x</sub><br>CO<br>VOC<br>PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub><br>SO <sub>2</sub> | 1.00<br><del>2.54</del><br><u>3.80</u><br>0.06<br>0.14<br><u>0.14</u><br><u>0.14</u><br>0.07  | 3.12<br><del>5.57</del> <u>54</u><br>0.25<br>0.62<br><u>0.62</u><br><u>0.62</u><br>0.31            | <u>7, 8</u>                              | <u>7, 8, 12, 14</u> <u>10</u>                | <u>12</u>                  |
| FRAC F EFa                                 | Frac A Process Fugitives | VOC <sup>5</sup><br>H <sub>2</sub> S   | 0.46 <u>94</u><br><u>0.01</u>   | <del>2.00</del> <u>4.14</u><br><u>0.01</u>   | <u>36</u>                                | <u>3, 12, 14</u> <u>6</u>                    | <u>3, 12</u>               |
| FRAC F EFb                                 | Frac B Process Fugitives | VOC <sup>5</sup><br>H <sub>2</sub> S   | 0.46 <u>93</u><br><u>0.01</u>   | <del>2.00</del> <u>4.07</u><br><u>0.01</u>   | <u>36</u>                                | <u>3, 12, 14</u> <u>6</u>                    | <u>3, 12</u>               |

TCEQ-20648 (Revised 02/13) Major NSR Summary Table

This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 6193v1)



# Texas Commission on Environmental Quality

## Major NSR Summary Table

| Permit Number: 100091, PSDTX1286, and N154 |                          |   |  | Issuance Date: <del>November 17, 2014</del> April 18, 2022 (MAERT <del>11/14/2014</del> 4/18/2022)   |                                     |                                  |                        |
|--|--------------------------|---|--|--|-------------------------------------|----------------------------------|------------------------|
| Emission Point Number <sup>1</sup> (EPN)   | Source Name <sup>2</sup> | Air Contaminant Name <sup>3</sup>                                   | Emission Rates *   |  | Monitoring and Testing Requirements | Recordkeeping Requirements       | Reporting Requirements |
|  |                          |   | lb/hr  | (TPY) <sup>4</sup>   | Spec. Cond.                         | Spec. Cond.                      | Spec. Cond.            |
| HT16.028A                                  | Refrigerant Condenser    | PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub>                         | 0.33<br>0.22<br>0.09   | 1.44<br>0.99<br>0.38   | <del>11,14</del>                    | <del>11, 12, 14</del>            | <del>12</del>          |
| HT16.028B                                  | Refrigerant Condenser    | PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub>                         | 0.33<br>0.22<br>0.09   | 1.44<br>0.99<br>0.38   | <del>11,14</del>                    | <del>11, 12, 14</del>            | <del>12</del>          |
| HT16.029A                                  | Reflux Cooler            | PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub>                         | 0.08<br>0.05<br>0.02   | 0.34<br>0.23<br>0.09   | -                                   | <del>12</del>                    | <del>12</del>          |
| HT16.029B                                  | Reflux Cooler            | PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub>                         | 0.08<br>0.05<br>0.02   | 0.34<br>0.23<br>0.09   | -                                   | <del>12</del>                    | <del>12</del>          |
| SV19.003A                                  | Lean Amine Tank          | VOC   | ≤0.01  | ≤0.01  | -                                   | <del>12</del>                    | <del>12</del>          |
| SV19.003B                                  | Lean Amine Tank          | VOC   | ≤0.01  | ≤0.01  | -                                   | <del>12</del>                    | <del>12</del>          |
| SV19.002A                                  | Amine Tank               | VOC   | ≤0.01  | ≤0.01  | -                                   | <del>12</del>                    | <del>12</del>          |
| SV19.002B                                  | Amine Tank               | VOC   | ≤0.01  | ≤0.01  | -                                   | <del>12</del>                    | <del>12</del>          |
| SV19.006A                                  | Wastewater Tank          | VOC   | 0.36   | 0.03   | -                                   | <del>12</del>                    | <del>12</del>          |
| SV19.006B                                  | Wastewater Tank          | VOC   | 0.36   | 0.03   | -                                   | <del>12</del>                    | <del>12</del>          |
| SK25.001                                   | Flare                    | NO <sub>x</sub><br>CO<br>VOC<br>SO <sub>2</sub><br>H <sub>2</sub> S | <del>23.70</del><br><del>26.87</del><br><del>41.24</del><br><del>28.80</del><br><del>2.09</del><br><del>20.68</del><br><del>1.44</del><br>0.02 | <del>4510.34</del><br><del>30.04</del><br><del>6.77</del><br><del>3.00</del><br><del>0.03</del><br><del>44.97</del><br><del>4.75</del><br><del>9.18</del><br><del>0.10</del> | <del>7, 8, 9, 4, 5, 6</del>         | <del>7, 8, 4, 5, 6, 12, 14</del> | <del>12</del>          |





# Texas Commission on Environmental Quality

## Major NSR Summary Table

| Permit Number: 100091, PSDTX1286, and N154 |   |  |   | Issuance Date: <del>November 17, 2014</del> April 18, 2022 (MAERT <del>11/14/2014</del> 4/18/2022) |                                     |                            |                        |
|--|---|--|---|--|-------------------------------------|----------------------------|------------------------|
| Emission Point Number <sup>1</sup> (EPN)   | Source Name <sup>2</sup>                  | Air Contaminant Name <sup>3</sup>  | Emission Rates *                                      |  | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|  |   |  | lb/hr   | (TPY) <sup>4</sup>   | Spec. Cond.                         | Spec. Cond.                | Spec. Cond.            |
| HD5HTR                                     | Mole Sieve Regeneration Heater            | NO <sub>x</sub><br>CO<br>VOC<br>PM<br>PM <sub>10</sub><br>PM <sub>2.5</sub><br>SO <sub>2</sub> | 0.60<br>0.12<br>0.02<br>0.02<br>0.02<br>0.02<br><0.01 | 2.63<br>0.53<br>0.09<br>0.11<br>0.11<br>0.11<br>0.01   | -                                   | 10                         | -                      |
| <del>EFDIB-FUG**</del> HD5FUG              | <del>DIB Unit Process</del> HD5 Fugitives | VOC <sup>5</sup>   | 0.3757  | 4.642.49   | 36                                  | 3, 12, 146                 | 3, 12                  |

### Footnotes:

- <sup>1</sup> Emission point identification - either specific equipment designation or emission point number from plot plan.
- <sup>2</sup> Specific point source name. For fugitive sources, use area name or fugitive source name.
- <sup>3</sup> 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, suspended in the atmosphere, 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  
 H<sub>2</sub>S - hydrogen sulfide
- <sup>4</sup> Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- <sup>5</sup> Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations

~~\*\*Current NSR permit does not include removal of DIB fugitives. However, there is a pending amendment that includes removal of the DIB unit.~~

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>

**Sent:** Wednesday, October 23, 2024 11:38 AM

**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Parmley, Charles <[CRParmley@eprod.com](mailto:CRParmley@eprod.com)>

**Subject:** [EXTERNAL] RE: Technical Review -- FOP 03557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex

[Use caution with links/attachments]

Good morning Mr. Bissonnette,

Upon evaluation of your federal operating permit application, we have determined that there are some discrepancies that need to be addressed to complete our review. Please provide a response for the following items by **Wednesday, November 6<sup>th</sup>**.

**1. Form OP-REQ1**

- a.** Question VI.I.1 is answered “No” but Question VI.I.4 was left blank. Please provide a response for this question.
- b.** Page 88 – For PBR No. 106.352, the Version Date listed should read “11/22/2012” instead of “11/12/2012”.
- c.** Page 85 – Question XII.B.4 (116.620 version of oil-and-gas standard permit) was answered No and Question XII.B.5 (non-rule version of the oil-and-gas standard permit) was answered Yes. However, based on our records standard permit registrations 87477, 93268, and 95777 authorize units under the 116.620 standard permit, not the non-rule version. Please correct XII.B.4 to Yes and XII.B.5 to No, or provide clarification if you believe the situation is different.

Please provide me with updated and redated pages of the OP-REQ1 to address these corrections.

2. **OP-PBRSUP**

- a. Table A – Registration No. 94067 – Our records indicate that the revision application for this PBR registration (submitted 06/26/2019) was withdrawn. Therefore, 07/15/2019 is not a valid registration date and should be updated to the most recent action that is a renewal, amendment, or revision. The most recent date before this withdrawn revision was its initial issuance of 12/17/2010. Please correct Table A.
- b. Table D – For the first six rows of units on this table that are authorized by registered PBRs, the third column should list the PBR registration number instead of the date of the PBR itself. (The full column heading is Version No./Date or Registration No., but on your copy for some reason the Registration No. part isn't in the column header, so that may have caused confusion.) For example, for unit FUG-52130, the third column should just say 94067 instead of the version date 11/01/2003. Please correct those first six rows.
- c. When you make the above corrections on Table A and D, redate the header on all four tables, and resubmit as a set. Even though the other tables are not affected by the correction, this form must be submitted as a complete set each time because there is a permit term that will reference the latest date.

- 3. **Form OP-SUMR** - In the Preconstruction Authorization column of this form, the rows containing PCA "93268" (this is a standard permit registration number) have a minor typo. Please revise the entries from "93628" to the correct number, "93268".
- 4. **Form OP-2 - Revision No. 37** for Unit ID FUG-02128 has inconsistent PCAs listed between the OP-2 and OP-SUMR. Please confirm whether 106.472/09/04/2000 should be listed as a PCA for this unit by adding it to the OP-2 or, if not used, removing it from the OP-SUMR and OP-PBRSUP.
- 5. **Unit ID Numbers SV19.006A & SV19.006B** are listed as existing units in your application, but our current records do not have these units documented. Instead, units SV19.005A and SV19.005B are currently logged from your previous applications. Please clarify if SV19.006A & SV19.006B are new unit IDs or that this was a typo and SV19.005A and SV19.005B are the correct ID numbers. Alternatively, let me know if you would like to update the existing ID numbers SV19.005A and SV19.005B to the IDs listed in your application. If needed, please provide an updated OP-2 (Revision items 65 & 66) and OP-UA3 with the revised ID numbers. If you determine these are actually new IDs being added, please add them to the OP-SUMR so we will have the unit name/description and preconstruction authorization.

6. **Form OP-UA2 – Table 5c for NSPS III – Unit ID EF EMG ENG** – This is an existing unit not included in this current application, but an answer is required for new question “AECD”. Please provide an OP-UA2 form with updated unit attributes for this unit.
7. **Form OP-UA5 – Table 1b for 30 TAC Chapter 117, Subchapter B** – According to the form instructions, the question “30 TAC Chapter 116 Limit” should only be completed if the site is located in the Beaumont/Port Arthur ozone non-attainment area. Please update the unit attributes for GRP-HR02 and GRP-HR03 and provide me with a copy.
8. **Unit ID No. HD5HTR – Index No. 63DDDDD** - This unit is listed in our database on OP-UA5 for 40 CFR Part 63, Subpart DDDDD but the application did not include the new unit attribute form for this unit like it did for others. If this unit is subject to MACT DDDDD, please provide me with Tables 6a-6g of OP-UA5, as applicable.
9. **Unit ID No. HD5FUG – Index No. R5352** – An updated OP-UA12 form for 30 TAC Chapter 115, Pet. Refinery & Petrochemicals is required for this unit due to changes to the form questions/answer choices. Please fill out and provide me with an updated copy of Tables 2a-2k of the OP-UA12 for this unit.
10. **Group ID Number GRP-EF-FUG** – Question “Title 30 TAC § 115.352 Applicable” on Table 2a of the OP-UA12 requires an updated answer for these units as the codes have been recently updated. Please fill out and provide me with an updated copy of the OP-UA12 for these units.
11. **Major NSR Summary Table** – The existing Major NSR Summary Table for NSR 100091/PSDTX1286/N154 was based on the April 5, 2016 issuance of that NSR permit. Since this FOP renewal will incorporate subsequent NSR actions up through the April 18, 2022 issuance, this table needs to be updated. Please submit a MS Word copy of this table with tracked changes to indicate any updates needed.

Thank you for your cooperation. Please do not hesitate to contact me if you have any questions.

Sincerely,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

Phone: (512) 239-1279

Fax: (512) 239-1400



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**From:** Bissonnette, Daniel <dmbissonnette@eprod.com>  
**Sent:** Tuesday, August 27, 2024 12:27 PM  
**To:** Kyle Murray  
**Cc:** Parmley, Charles  
**Subject:** RE: Technical Review -- FOP 03557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex

Thank you for reaching out, we look forward to working with you.

Daniel M Bissonnette  
Supervisor, Environmental



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-3669  
Mobile: 346-266-8437

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Tuesday, August 27, 2024 12:01 PM  
**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Subject:** [EXTERNAL] Technical Review -- FOP 03557/Project 36994, Enterprise Products Operating, LLC / Mont Belvieu Complex

[Use caution with links/attachments]

Good afternoon Mr. Bissonnette,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. 03557 for Enterprise Products Operating, LLC, Mont Belvieu Complex, Eagleford Fractionation Units. This application has been assigned Project No. 36994. 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\\_facsheet.pdf](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_facsheet.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,

**Kyle J. Murray**

Permit Reviewer

OA/Air Permits Division/OP Section

Texas Commission on Environmental Quality

MC 163, P.O. Box 13087

Austin, TX 78711-3087

[kyle.murray@tceq.texas.gov](mailto:kyle.murray@tceq.texas.gov)

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This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

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 13, 2024

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

Re: Accepted Federal Operating Permit Renewal Application  
Project Number: 36994  
Permit Number: O3557  
Enterprise Products Operating LLC  
Eagleford Fractionation Units  
Mont Belvieu, Chambers County  
Regulated Entity Number: RN102323268  
Customer Reference Number: CN603211277

Dear Senator Creighton:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.912222,29.856111&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 Brandon Creighton  
Page 2  
August 13, 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 13, 2024

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

Re: Accepted Federal Operating Permit Renewal Application  
Project Number: 36994  
Permit Number: O3557  
Enterprise Products Operating LLC  
Eagleford Fractionation Units  
Mont Belvieu, Chambers County  
Regulated Entity Number: RN102323268  
Customer Reference Number: CN603211277

Dear Representative Wilson:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.912222,29.856111&level=13>.

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

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

Sincerely,

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

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

## Texas Commission on Environmental Quality

Title V Existing

3557

### Site Information (Regulated Entity)

|   |                                 |
|---|---------------------------------|
| What is the name of the permit area to be authorized? | EAGLEFORD FRACTIONATION UNITS   |
| Does the site have a physical address?                | Yes                             |
| Physical Address                                      |                                 |
| Number and Street                                     | 10207 FM 1942 RD                |
| City  | MONT BELVIEU                    |
| State   | TX                              |
| ZIP   | 77521                           |
| County  | CHAMBERS                        |
| Latitude (N) (##.#####)                               | 29.856666                       |
| Longitude (W) (-###.#####)                            | 94.914166                       |
| Primary SIC Code                                      | 1321                            |
| Secondary SIC Code                                    |                                 |
| Primary NAICS Code                                    | 211112                          |
| Secondary NAICS Code                                  |                                 |
| Regulated Entity Site Information                     |                                 |
| What is the Regulated Entity's Number (RN)?           | RN102323268                     |
| What is the name of the Regulated Entity (RE)?        | ENTERPRISE MONT BELVIEU COMPLEX |
| Does the RE site have a physical address?             | Yes                             |
| Physical Address                                      |                                 |
| Number and Street                                     | 10207 FM 1942 RD                |
| City  | MONT BELVIEU                    |
| State   | TX                              |
| ZIP   | 77521                           |
| County  | CHAMBERS                        |
| Latitude (N) (##.#####)                               | 29.85965                        |
| Longitude (W) (-###.#####)                            | -94.909639                      |
| Facility NAICS Code                                   |                                 |
| What is the primary business of this entity?          | PROPYLENE PRODUCTION            |

## Customer (Applicant) Information

|  |                                   |
|--|-----------------------------------|
| How is this applicant associated with this site? | Owner Operator                    |
| What is the applicant's Customer Number (CN)?    | CN603211277                       |
| Type of Customer                                 | Corporation                       |
| Full legal name of the applicant:                |                                   |
| Legal Name                                       | Enterprise Products Operating LLC |
| Texas SOS Filing Number                          | 800838920                         |
| Federal Tax ID                                   | 260430677                         |
| State Franchise Tax ID                           | 12604305396                       |
| State Sales Tax ID                               |                                   |
| Local Tax ID                                     |                                   |
| DUNS Number                                      | 841528859                         |
| Number of Employees                              | 501+                              |
| Independently Owned and Operated?                | Yes                               |

## Responsible Official Contact

|  |                                   |
|--|-----------------------------------|
| Person TCEQ should contact for questions about this application: |                                   |
| Organization Name  | ENTERPRISE PRODUCTS OPERATING LLC |
| Prefix   | MR                                |
| First  | GRAHAM                            |
| Middle   |                                   |
| Last   | BACON                             |
| Suffix   |                                   |
| Credentials  |                                   |
| Title  | EXECUTIVE VICE PRESIDENT          |
| Enter new address or copy one from list:                         |                                   |
| Mailing Address  |                                   |
| Address Type   | Domestic                          |
| Mailing Address (include Suite or Bldg. here, if applicable)     | PO BOX 4324                       |
| Routing (such as Mail Code, Dept., or Attn:)                     |                                   |
| City   | HOUSTON                           |
| State  | TX                                |
| ZIP  | 77210                             |

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

7133816595

Extension

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

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

E-mail

environmental@eprod.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

BRADLEY COOLEY(ENTERPRISE PROD... )

Prefix

ENTERPRISE PRODUCTS OPERATING LLC

First

MR

Middle

BRADLEY

Last

COOLEY

Suffix

Credentials

Title

SENIOR 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 4324

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

City

HOUSTON

State

TX

Zip

77210

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

7133816595

Extension

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

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

2818878086

E-mail

ENVIRONMENTAL@EPROD.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

Enterprise Operating Products

MR

Daniel

M

Bissonette

Supervisor, Environmental

Domestic

PO BOX 4324

HOUSTON

TX

77210

7133813669

dmbissonnette@eprod.com

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 51 Min 24 Sec

3) Permit Longitude Coordinate:

94 Deg 54 Min 51 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)

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 any other necessary information needed to complete the permit.

[File Properties]

File Name

<a href=/ePermitsExternal/faces/file?fileId=209489>2024\_08\_01 Mont Belvieu FOP O3557  
Renewal Application.pdf</a>

Hash

2D58C4052944BDDAA879F4FE8C14274EA9006C271F5E1DE9952651D0A5A414F1

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 Bradley J Cooley, the owner of the STEERS account ER101133.
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 3557.
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: Bradley J Cooley OWNER OPERATOR

Account Number: ER101133

Signature IP Address: 165.225.37.77

Signature Date: 2024-08-06

Signature Hash: 3A72A8E6E16CD866EF25BE5C49B023ABF5352B6D1B85993C51C75C988B374B14

Form Hash Code at time of Signature: 199BE19D6FF7BAB26E2AAACE1859739697B8A16DB9BF1B28F98C870776146DCAB

## Submission

Reference Number: The application reference number is 672007

Submitted by: The application was submitted by ER101133/Bradley J Cooley



Submitted Timestamp:

The application was submitted on 2024-08-06 at 13:06:55 CDT

Submitted From:

The application was submitted from IP address 165.225.37.77

Confirmation Number:

The confirmation number is 555456

Steers Version:

The STEERS version is 6.79

Permit Number:

The permit number is 3557

## Additional Information

---

Application Creator: This account was created by Charles R Parmley

---



August 09, 2024

Texas Commission on Environmental Quality  
Air Permits Initial Review Team (APIRT), MC 161

***STEERS Submittal***

**RE: Title V Site Operating Permit (SOP) No. 03557 Renewal  
Enterprise Products Operating LLC (CN603211277)  
Mont Belvieu Complex (RN102323268)  
Eagleford Fractionation Units  
Mont Belvieu, Chambers County, Texas**

To Whom It May Concern:

Enterprise Products Operating LLC (Enterprise) owns and operates the Mont Belvieu Complex at 10207 FM 1942 Road, Mont Belvieu, Chambers County, Texas.

Title V Standard Operating Permit (SOP) No. 03557 is currently set to expire on February 12, 2025. Consequently, Enterprise intends to renew SOP No. 03557 through this renewal application submission. The renewal application adheres to the guidelines outlined in Title 30 of the Texas Administrative Code (30 TAC), Chapter 122.

The enclosed renewal application comprises the following forms (**Attachments 1 through 10**):

- + OP-1: Site Information Summary;
- + OP-2: Application for Permit Revision/Renewal;
- + OP-SUMR: Individual Unit Summary for Revisions;
- + OP-REQ1: Application Area-Wide Applicability Determinations and General Information;
- + OP-REQ2: Negative Applicable/Superseded Requirement Determinations;
- + OP-REQ3: Applicable Requirements Summary;
- + OP-ACPS: Application Compliance Plan and Schedule;
- + OP-PBRSUP: Permits by Rule Supplemental Tables;
- + OP-MON: Monitoring Requirements;
- + OP-UA2: Stationary Reciprocating Internal Combustion Engine Attributes;
- + OP-UA3: Storage Tank/Vessel Attributes;
- + OP-UA5: Process Heater/Furnace Attributes;
- + OP-UA6: Boiler/Steam Generator/Steam Generating Unit Attributes;
- + OP-UA7: Flare Attributes; and
- + OP-UA12: Fugitive Emission Unit Attributes.

This renewal is requesting to move sources associated with Fractionation Units IV, V, and VI from SOP O1641 into O3557. These sources are represented on the OP-2, OP-SUMR, and OP-UA forms. Additionally, Enterprise is adding 30 TAC, Chapter 115, Subchapter B, Division 7 applicable to several storage tanks and fugitives. Enterprise is also providing an updated OP-UA12 for fugitives for 40 CFR Part 60, Subpart OOOO (NSPS OOOO) since the TCEQ has developed a NSPS OOOO table since the last renewal and is providing an

updated OP-UA5 for four (4) existing heaters for 40 CFR Part 63, Subpart DDDDD (MACT DDDDD) since the TCEQ has developed a MACT DDDDD table since the last renewal.

We look forward to assisting the TCEQ during review of this package and to obtaining issuance of the renewed site operating permit. Do not hesitate to contact me at (713) 381-3836 or via email at [CRParmley@eprod.com](mailto:CRParmley@eprod.com), or Daniel Bissonnette at (713) 381-3669.

Sincerely,

**Enterprise Refined Products Company LLC**



Charles R Parmley  
Environmental Scientist



Daniel Bissonnette  
Supervisor, Environmental

Enclosures

CC: EPA Region VI, via email at: [R6AirPermitsTX@epa.gov](mailto:R6AirPermitsTX@epa.gov)  
TCEQ Region 12, via email at: [R12APDMail@tceq.texas.gov](mailto:R12APDMail@tceq.texas.gov)

**ATTACHMENT 1 – OP-1: Site Information  
Summary**

**Federal Operating Permit Application  
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. Address written inquiries to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

|  |
|--|
| <b>I. Company Identifying Information</b>  |
| A. Company Name: <b>Enterprise Products Operating LLC</b>  |
| B. Customer Reference Number (CN): <b>CN 603211277</b>   |
| C. Submittal Date (mm/dd/yyyy) : <b>August 9, 2024</b>   |
| <b>II. Site Information</b>  |
| A. Site Name: <b>Mont Belvieu Complex</b>  |
| B. Regulated Entity Reference Number (RN): <b>RN 102323268</b>   |
| C. 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  |
| D. Indicate all pollutants for which the site is a major source based on the site's potential to emit:<br><i>(Check the appropriate box[es].)</i>  |
| <input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO <sub>x</sub> <input checked="" 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:   |
| E. Is the source 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>   |
| F. Is the site within a local program area jurisdiction? <span style="float: right;"><input type="checkbox"/> YES    <input checked="" type="checkbox"/> NO</span>   |
| G. 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>  |
| H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:   |
| <b>III. Permit Type</b>  |
| A. 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 Application  
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>   |   |
| <b>A.</b> Is this submittal an abbreviated or a full application?  | <input type="checkbox"/> Abbreviated <input type="checkbox"/> Full  |
| <b>B.</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            |
| <b>C.</b> 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            |
| <b>D.</b> Has a 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>E.</b> Has the required Public Involvement Plan been included with this application?  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>V. Confidential Information</b>   |   |
| <b>A.</b> Is confidential information submitted in conjunction with this application?  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <b>VI. Responsible Official (RO)</b>   |   |
| RO Name Prefix:    ( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> )   |   |
| RO Full Name: <b>Graham Bacon</b>  |   |
| RO Title: <b>EVP and Chief Operating Officer</b>   |   |
| Employer Name: <b>Enterprise Products Operating LLC</b>  |   |
| Mailing Address: <b>PO Box 4324</b>  |   |
| City: <b>Houston</b>   |   |
| State: <b>TX</b>   |   |
| ZIP Code: <b>77210</b>   |   |
| Territory:   |   |
| Country: <b>USA</b>  |   |
| Foreign Postal Code:   |   |
| Internal Mail Code:  |   |
| Telephone No.: <b>731-381-6595</b>   |   |
| Fax No.:   |   |
| E-mail: <a href="mailto:environmental@eprod.com">environmental@eprod.com</a>   |   |

**Federal Operating Permit Application  
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"/> ) |
| Technical Contact Full Name:   | <b>Daniel M. Bissonnette</b>  |
| Technical Contact Title:   | <b>Supervisor, Environmental</b>  |
| Employer Name:   | <b>Enterprise Products Operating LLC</b>  |
| Mailing Address:   | <b>PO Box 4324</b>  |
| City:  | <b>Houston</b>  |
| State:   | <b>TX</b>   |
| ZIP Code:  | <b>77210</b>  |
| Territory:   |   |
| Country:   | <b>USA</b>  |
| Foreign Postal Code:   |   |
| Internal Mail Code:  |   |
| Telephone No.:   | <b>713-381-3669</b>   |
| Fax No.:   |   |
| E-mail:  | <b>dmbissonnette@eprod.com</b>  |
| <b>VIII. Reference Only Requirements</b> <i>(For reference only.)</i>                                  |   |
| A. State Senator:  | <b>Brandon Creighton, District 4</b>  |
| B. State Representative:   | <b>Mayes Middleton, District 23</b>   |
| C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A                                |
| D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?                  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO   |
| E. Indicate the alternate language(s) in which public notice is required:                              | <b>Spanish</b>  |

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

|   |                                      |
|---|--------------------------------------|
| <b>IX. Off-Site Permit Request</b><br><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"/> .) |                                      |
| Contact Full Name:  |                                      |
| E. Telephone No.:   |                                      |
| <b>X. Application Area Information</b>  |                                      |
| A. Area Name:   | <b>Eagleford Fractionation Units</b> |
| B. Physical Address:  | <b>10207 FM 1942 RD</b>              |
| City:   | <b>Mont Belvieu</b>                  |
| State:  | <b>TX</b>                            |
| ZIP Code:   | <b>77251</b>                         |
| C. Physical Location:   |                                      |
| Located near the intersection of FM 1942 and Hatcherville Rd in Mont Belvieu Texas 10207 FM 1942  |                                      |
|   |                                      |
|   |                                      |
| D. Nearest City:  |                                      |
| E. State:   |                                      |
| F. ZIP Code:  |                                      |



**Federal Operating Permit Application  
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):  | <b>29° 51' 24"</b>  |
| <b>H.</b> Longitude (nearest second):   | <b>94° 54' 51"</b>  |
| <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? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO   |
| <b>J.</b> Indicate the estimated number of emission units in the application area:  | <b>See Permit</b>   |
| <b>K.</b> Are there any emission units in the application area subject to the Acid Rain Program?  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO   |
| <b>XI. Public Notice</b><br>(Complete this section for SOP Applications and Acid Rain Permit Applications only.)  |   |
| <b>A.</b> Name of public place to view application and draft permit:  | <b>Sam and Carmena Goss Memorial Branch Library</b>   |
| <b>B.</b> Physical Address:   | <b>1 John Hall Dr</b>   |
| City:   | <b>Mont Belvieu</b>   |
| ZIP Code:   | <b>77580</b>  |
| <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"/> ) |
| Contact Person Full Name:   | <b>Daniel M. Bissonnette</b>  |
| Contact Mailing Address:  | <b>PO Box 4324</b>  |
| City:   | <b>Houston</b>  |
| State:  | <b>TX</b>   |
| ZIP Code:   | <b>77210</b>  |
| Territory:  |   |
| Country:  | <b>USA</b>  |
| Foreign Postal Code:  |   |
| Internal Mail Code:   |   |
| Telephone No.:  | <b>dmbissonnette@eprod.com</b>  |

**Federal Operating Permit Application  
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 permit 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"/> s. <input type="checkbox"/> .)  |
| DR Full Name:   |
| DR Title:   |
| Employer Name:  |
| Mailing Address:  |
| City:   |
| State:  |
| ZIP Code:   |
| Territory:  |
| Country: USA  |
| Foreign Postal Code:  |
| Internal Mail Code:   |
| Telephone No.:  |
| Fax No.:  |
| Email:  |

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

**Complete Sections XIII and XIV for Acid Rain Permit and CSAPR permit applications only. Please include a copy of the Certificate of Representation submitted to EPA.**

**XIV. Alternate Designated Representative (ADR) Identifying Information**

ADR Name Prefix:: ( ☐Mr. ☐Mrs. ☐Ms. ☐.)

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:

**ATTACHMENT 2 – OP-2: Application for  
Permit Revision/Renewal**

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

|   |  |  |   |
|---|--|--|---|
| Date:   | August 9, 2024   |  |   |
| Permit No.:   | O3557  |  |   |
| Regulated Entity No.:   | 102323268  |  |   |
| Company / Area Name:  | Enterprise Products Operating LLC  |  |   |
| For Submissions to EPA  |  |  |   |
| Has a copy of this application been submitted (or is being submitted) to EPA? |  |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <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  |  |  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| For GOP Revisions Only  |  |  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

|   |     |                                     |                 |                                     |                 |                                     |                  |
|---|-----|-------------------------------------|-----------------|-------------------------------------|-----------------|-------------------------------------|------------------|
| <b>III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or a change in regulations.)</b>   |     |                                     |                 |                                     |                 |                                     |                  |
| Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:  |     |                                     |                 |                                     |                 |                                     |                  |
| <input checked="" type="checkbox"/>   | VOC | <input checked="" type="checkbox"/> | NO <sub>x</sub> | <input checked="" 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 the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol. |     |                                     |                 |                                     |                 |                                     |                  |

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

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                  | NSR Authorization                     | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|------------------|---------------------------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form  |                                       |  |
| 1            | SIG-E         | No                 | Sitewide   | -                | -                                     | Renew FOP O1641 pursuant to 30 TAC Chapter 122, Subchapter C, Division 4. Supplemental data for all registered and claimed PBRs under which the site is operating is provided on Form OP-PBR SUP, as required for all FOP renewals submitted after August 1, 2020. |
| 2            | SIG-E         | No                 | Various    | OP-SUMR          | Various                               | Update NSR and PBR authorizations for sources listed on OP-SUMR.   |
| 3            | MS-A          | No                 | Sitewide   | OP-REQ1          | Various                               | Update NSR and PBR authorizations as indicated on the OP-REQ1.   |
| 4            | MS-C          | Yes                | 126HR15001 | OP-UA5<br>OP-UA6 | 87477                                 | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.  |
| 5            | MS-C          | Yes                | 126HR15002 | OP-UA5<br>OP-UA6 | 87477                                 | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.   |
| 6            | SIG-E         | Yes                | 126HT16028 | OP-REQ2          | 87477                                 | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 7            | SIG-E         | Yes                | 126HT16029 | OP-REQ2          | 87477                                 | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 8            | MS-C          | Yes                | 126SK25001 | OP-UA7           | 87477, 93268, 95777, 106.262, 106.261 | Add flare source to permit with NSPS A and Chapter 111 applicability. Source is being moved from FOP O1641 to O3557.   |
| 9            | SIG-E         | Yes                | 126SV19002 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.   |
| 10           | SIG-E         | Yes                | 126SV19003 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.   |
| 11           | SIG-E         | Yes                | 126SV19004 | OP-UA3, OP-REQ2  | 87477                                 | Add tank source to permit and new group <b>GRP-TK07</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.   |

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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                  | NSR Authorization | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|------------------|-------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form  |                   |  |
| 12           | SIG-E         | Yes                | 126SV19006 | OP-UA3, OP-REQ2  | 87477             | Add tank source to permit and new group <b>GRP-TK03</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 13           | MS-C          | Yes                | FUG-02126  | OP-UA12          | 87477             | Add fugitive source to permit with Chapter 115, NSPS KKK, and MACT HH applicability. Source is being moved from FOP O1641 to O3557.  |
| 14           | MS-C          | Yes                | 128HR16001 | OP-UA5<br>OP-UA6 | 93268             | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.              |
| 15           | MS-C          | Yes                | 128HR16002 | OP-UA5<br>OP-UA6 | 93268             | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.             |
| 16           | SIG-E         | Yes                | 128HT17028 | OP-REQ2          | 93268             | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 17           | SIG-E         | Yes                | 128HT17029 | OP-REQ2          | 93268             | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 18           | SIG-E         | Yes                | 128SV19002 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 19           | SIG-E         | Yes                | 128SV19003 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 20           | SIG-E         | Yes                | 128SV19006 | OP-UA3, OP-REQ2  | 93268             | Add tank source to permit and new group <b>GRP-TK03</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |



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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|-------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.      | Applicable Form |                    |   |
| 21           | MS-C          | Yes                | 128GE14001  | OP-UA2          | 106.511/09/04/2000 | Add engine source to permit with Chapter 117, NSPS IIII, and MACT ZZZZ applicability. Source is being moved from FOP O1641 to O3557.  |
| 22           | MS-C          | Yes                | 128PV17030  | OP-REQ2         | 106.472/09/04/2000 | Add source to permit with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.  |
| 23           | SIG-E         | Yes                | 128PV17031  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 24           | SIG-E         | Yes                | 128PV17032  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 25           | SIG-E         | Yes                | 128PV17033  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 26           | SIG-E         | Yes                | 128PV17036  | OP-REQ2         | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-PROC</b> with NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                                     |
| 27           | SIG-E         | Yes                | 128SV19012  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citation and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 28           | SIG-E         | Yes                | 128SV19016  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 29           | SIG-E         | Yes                | 128SV19017  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                     |
| 30           | SIG-E         | Yes                | 128SV19018  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 31           | SIG-E         | Yes                | 128SV19019A | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                     |

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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                  | NSR Authorization  | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|-------------|------------------|--------------------|--|
|              |               | New Unit           | ID No.      | Applicable Form  |                    |  |
| 32           | SIG-E         | Yes                | 128SV19019B | OP-UA3, OP-REQ2  | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |
| 33           | SIG-E         | Yes                | 128SV19021  | OP-UA3, OP-REQ2  | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 34           | SIG-E         | Yes                | 128SV19023  | OP-UA3, OP-REQ2  | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 35           | SIG-E         | Yes                | 128SV20004  | OP-UA3, OP-REQ2  | 93268              | Add tank source to permit and new group <b>GRP-TK07</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 36           | MS-C          | Yes                | 128SV20008  | OP-UA3           | 93268              | Add source to permit with Chapter 115 and NSPS Kb applicability. Source is being moved from FOP O1641 to O3557.  |
| 37           | MS-C          | Yes                | FUG-02128   | OP-UA12          | 93268              | Add fugitive source to permit and new group <b>GRP-FUG02</b> with Chapter 115 and NSPS KKK applicability. Source is being moved from FOP O1641 to O3557.                         |
| 38           | MS-C          | Yes                | 129GE14001  | OP-UA2           | 106.511/09/04/2000 | Add engine source to permit with Chapter 117, NSPS IIII, and MACT ZZZZ applicability. Source is being moved from FOP O1641 to O3557.   |
| 39           | MS-C          | Yes                | 129HR17001  | OP-UA5<br>OP-UA6 | 95777              | Add heater source to permit and to new group <b>GRP-HR03</b> with MACT DDDDD, NSPS Db and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.              |
| 40           | MS-C          | Yes                | 129HR17002  | OP-UA5<br>OP-UA6 | 95777              | Add heater source to permit and to new group <b>GRP-HR02</b> with MACT DDDDD, NSPS Dc, and Chapter 117 applicability. Source is being moved from FOP O1641 to O3557.             |
| 41           | SIG-E         | Yes                | 129HT18028  | OP-REQ2          | 95777              | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |

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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions  |
|--------------|---------------|--------------------|------------|-----------------|--------------------|--|
|              |               | New Unit           | ID No.     | Applicable Form |                    |  |
| 42           | SIG-E         | Yes                | 129HT18029 | OP-REQ2         | 95777              | Add source to permit and new group <b>GRP-CT</b> with Chapter 115, Subchapter H (HRVOC) and MACT Q negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 43           | SIG-E         | Yes                | 129PV17008 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 44           | SIG-E         | Yes                | 129SV19002 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 45           | SIG-E         | Yes                | 129SV19003 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit and new group <b>GRP-TK04</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 46           | SIG-E         | Yes                | 129SV19006 | OP-UA3, OP-REQ2 | 95777              | Add tank source to permit with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                               |
| 47           | MS-C          | Yes                | 129SV19008 | OP-UA3          | 106.472/09/04/2000 | Add source to permit with Chapter 115 and NSPS Kb applicability. Source is being moved from FOP O1641 to O3557.  |
| 48           | SIG-E         | Yes                | 129SV19012 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-TK02</b> with Chapter 115 applicable citations and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557. |
| 49           | SIG-E         | Yes                | 129SV19014 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 50           | SIG-E         | Yes                | 129SV19016 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                       |
| 51           | SIG-E         | Yes                | 129SV19017 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.                      |

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**Application for Permit Revision/Renewal**  
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|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |             |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|-------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.      | Applicable Form |                    |   |
| 52           | SIG-E         | Yes                | 129SV19018  | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-1K-</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.        |
| 53           | SIG-E         | Yes                | 129SV19019A | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.       |
| 54           | SIG-E         | Yes                | 129SV19019B | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add tank source to permit and new group <b>GRP-NVOC</b> with Chapter 115 and NSPS Kb negative applicability. Source is being moved from FOP O1641 to O3557.       |
| 55           | MS-C          | Yes                | FUG-02129   | OP-UA12         | 95777              | Add fugitive source to permit and new group <b>GRP-FUG02</b> with Chapter 115, NSPS KKK applicability. Source is being moved from FOP O1641 to O3557.             |
| 56           | MS-C          | No                 | HR15.001A   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 57           | MS-C          | No                 | HR15.001B   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 58           | MS-C          | No                 | HR15.002A   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 59           | MS-C          | No                 | HR15.002B   | OP-UA5          | N/A                | Update MACT DDDDD applicability due to updated TCEQ Forms.  |
| 60           | MS-C          | No                 | GRP-EF-FUG  | OP-UA12         | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for fugitives at a Natural Gas Plant. Update NSPS OOOO applicability due to TCEQ form development. |
| 61           | MS-C          | No                 | SV19.002A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 62           | MS-C          | No                 | SV19.0002B  | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 63           | MS-C          | No                 | SV19.003A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 64           | MS-C          | No                 | SV19.003B   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |
| 65           | MS-C          | No                 | SV19.006A   | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.  |

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

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

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

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Date:</b>                 | August 9, 2024                    |
| <b>Permit No.:</b>           | O3557                             |
| <b>Regulated Entity No.:</b> | 102323268                         |
| <b>Company / Area Name:</b>  | Enterprise Products Operating LLC |

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

| Revision No. | Revision Code | Unit/Group/Process |            |                 | NSR Authorization  | Description of Changes and Provisional Terms and Conditions   |
|--------------|---------------|--------------------|------------|-----------------|--------------------|---|
|              |               | New Unit           | ID No.     | Applicable Form |                    |   |
| 66           | MS-C          | No                 | SV19.006B  | OP-UA3          | N/A                | Add 30 TAC Chapter 115, Subchapter B, Division 7 applicability for storage tanks at a Natural Gas Plant.                |
| 67           | SIG-E         | Yes                | 136CAUSTK1 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for Chapter 115 and NSPS Kb.        |
| 68           | SIG-E         | Yes                | 136CAUSTK2 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for 30 TAC Chapter 115 and NSPS Kb. |
| 69           | SIG-E         | Yes                | 136CAUSTK3 | OP-UA3, OP-REQ2 | 106.472/09/04/2000 | Add new source to permit and to new tank group GRP-NVOC with negative applicability for 30 TAC Chapter 115 and NSPS Kb. |
| 70           | MS-C          | No                 | HD5FUG     | OP-UA12         | N/A                | Update NSPS OOOO applicability due to TCEQ form development.  |
| 71           | MS-C          | Yes                | FUG-52130  | OP-UA12         | 106.261/11/01/2003 | Add new source to permit with 30 TAC Chapter 115 and NSPS OOOO applicability.   |

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

|   |                                     |     |  |
|---|-------------------------------------|-----|--|
| <b>Date:</b>  | August 9, 2024                      |     |  |
| <b>Permit No.:</b>  | O3557                               |     |  |
| <b>Regulated Entity No.:</b>  | 102323268                           |     |  |
| <b>Company / Area Name:</b>   | Enterprise Products Operating LLC   |     |  |
| <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 languages(s) in which public notice is required:  | Spanish                             |     |  |
| C. Will there be a change in air pollutant emissions as a result of the significant revision?   | <input type="checkbox"/>            | YES | <input checked="" type="checkbox"/> NO |

**ATTACHMENT 3 – OP-SUMR: Individual Unit  
Summary for Revisions**

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

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| 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               | 4                         | 126HR15001          | OP-UA5<br>OP-UA6             | HOT OIL HEATER (126HR15.001)           |                  | 87477   |  |
| A               | 5                         | 126HR15002          | OP-UA5<br>OP-UA6             | REGENERANT HEATER<br>(126HR15.002)     |                  | 87477   |  |
| A               | 6                         | 126HT16028          | OP-REQ2                      | REFRIGERANT CONDENSOR<br>(126HT16.028) |                  | 87477   |  |
| A               | 7                         | 126HT16029          | OP-REQ2                      | REFLUX COOLER (126HT16.029)            |                  | 87477   |  |
| A               | 8                         | 126SK25001          | OP-UA7                       | FLARE FL-4                             |                  | 87477, 93268, 95777,<br>106.262/11/01/2003[111147]<br>, 106.261/11/01/2003[94067] |  |
| A               | 9                         | 126SV19002          | OP-UA3, OP-<br>REQ2          | AMINE TANK (126SV19.002)               |                  | 87477   |  |
| A               | 10                        | 126SV19003          | OP-UA3, OP-<br>REQ2          | LEAN OIL AMINE TANK<br>(126SV19.003)   |                  | 87477   |  |
| A               | 11                        | 126SV19004          | OP-UA3, OP-<br>REQ2          | LUBE OIL TANK (126SV19.004)            |                  | 87477   |  |
| A               | 12                        | 126SV19006          | OP-UA3, OP-<br>REQ2          | PRODUCED WATER TANK<br>(126SV19.006)   |                  | 87477   |  |
| A               | 13                        | FUG-02126           | OP-UA12                      | FRACTIONATION UNIT IV                  |                  | 87477   |  |
| A               | 14                        | 128HR16001          | OP-UA5<br>OP-UA6             | HOT OIL HEATER (128HR16.001)           |                  | 93628   |  |
| A               | 15                        | 128HR16002          | OP-UA5<br>OP-UA6             | REGENERANT HEATER<br>(128HR16.002)     |                  | 93628   |  |
| A               | 16                        | 128HT17028          | OP-REQ2                      | REFRIGERANT CONDENSER<br>(128HT16.028) |                  | 93628   |  |



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

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| 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               | 17                        | 128HT17029          | OP-REQ2                      | REFLUX COOLER (128HT17.029)                    |                  | 93628   |  |
| A               | 18                        | 128SV19002          | OP-UA3, OP-REQ2              | AMINE TANK (128SV19.002)                       |                  | 93628   |  |
| A               | 19                        | 128SV19003          | OP-UA3, OP-REQ2              | LEAN AMINE TANK (128SV19.003)                  |                  | 93628   |  |
| A               | 20                        | 128SV19006          | OP-UA3, OP-REQ2              | WASTEWATER CONDENSATE TANK (128SV19.006)       |                  | 93628   |  |
| A               | 21                        | 128GE14001          | OP-UA2                       | EMERGENCY GENERATOR                            |                  | 106.511/09/04/2000  |  |
| A               | 22                        | 128PV17030          | OP-REQ2                      | HOT OIL SURGE DRUM (128PV17.030)               |                  | 106.472/09/04/2000  |  |
| A               | 23                        | 128PV17031          | OP-REQ2                      | LUBE OIL FLASH DRUM (128PV17.031)              |                  | 106.472/09/04/2000  |  |
| A               | 24                        | 128PV17032          | OP-REQ2                      | FUEL GAS KO DRUM (128PV17.032)                 |                  | 106.472/09/04/2000  |  |
| A               | 25                        | 128PV17033          | OP-REQ2                      | STAINLESS STEEL DRAIN FLASH DRUM (128PV17.033) |                  | 106.472/09/04/2000  |  |
| A               | 26                        | 128PV17036          | OP-REQ2                      | PROCESS WASTE WATER FLASH DRUM (128PV17.036)   |                  | 106.472/09/04/2000  |  |
| A               | 27                        | 128SV19012          | OP-UA3, OP-REQ2              | CLARIFIER WATER TANK (128SV19.0120)            |                  | 106.472/09/04/2000  |  |
| A               | 28                        | 128SV19016          | OP-UA3, OP-REQ2              | REVERSE OSMOSIS PERMEATE TANK (128SV19.016)    |                  | 106.472/09/04/2000  |  |
| A               | 29                        | 128SV19017          | OP-UA3, OP-REQ2              | BLEACH TANK (128SV19.017)                      |                  | 106.472/09/04/2000  |  |
| A               | 30                        | 128SV19018          | OP-UA3, OP-REQ2              | COAGULANT MIXER TANK (128SV19.018)             |                  | 106.472/09/04/2000  |  |

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|-----------------|---------------------------|---------------------|------------------------------|-------------------------------------|------------------|---|--|
| A               | 31                        | 128SV19019A         | OP-UA3, OP-REQ2              | BLEACH TANK (128SV19.019A)          |                  | 106.472/09/04/2000  |  |
| A               | 32                        | 128SV19019B         | OP-UA3, OP-REQ2              | REFLUX WSAC BLEACH TANK             |                  | 106.472/09/04/2000  |  |
| A               | 33                        | 128SV19021          | OP-UA3, OP-REQ2              | POLYMER TANK (128SV19.021)          |                  | 106.472/09/04/2000  |  |
| A               | 34                        | 128SV19023          | OP-UA3, OP-REQ2              | ALUMINUM/POLYMER TANK (128SV19.023) |                  | 106.472/09/04/2000  |  |
| A               | 35                        | 128SV20004          | OP-UA3, OP-REQ2              | LUBE OIL TANK (128SV20.004)         |                  | 93628   |  |
| A               | 36                        | 128SV20008          | OP-UA3                       | PROCESS WATER TANK (128SV20.008)    |                  | 93628   |  |
| A               | 37                        | FUG-02128           | OP-UA12                      | FRACTIONATION UNIT V                |                  | 93268, 106.472/09/04/2000   |  |
| A               | 38                        | 129GE14001          | OP-UA2                       | EMERGENCY GENERATOR                 |                  | 106.511/09/04/2000  |  |
| A               | 39                        | 129HR17001          | OP-UA5<br>OP-UA6             | HOT OIL HEATER (129HR17.001)        |                  | 95777   |  |
| A               | 40                        | 129HR17002          | OP-UA5<br>OP-UA6             | REGENERANT HEATER (129HR17.002)     |                  | 95777   |  |
| A               | 41                        | 129HT18028          | OP-REQ2                      | REFRIGERANT CONDENSER (129HT16.028) |                  | 95777   |  |
| A               | 42                        | 129HT18029          | OP-REQ2                      | REFLUX COOLER (129HT17.029)         |                  | 95777   |  |
| A               | 43                        | 129PV17008          | OP-UA3, OP-REQ2              | LUBE OIL TANK (129PV17.008)         |                  | 95777   |  |
| A               | 44                        | 129SV19002          | OP-UA3, OP-REQ2              | AMINE TANK (129SV19.002)            |                  | 95777   |  |

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|-----------------|---------------------------|---------------------|------------------------------|------------------------------------|------------------|---|--|
| A               | 45                        | 129SV19003          | OP-UA3, OP-REQ2              | LEAN AMINE TANK (129SV19.003)      |                  | 95777   |  |
| A               | 46                        | 129SV19006          | OP-UA3, OP-REQ2              | PRODUCED WATER TANK (129SV19.006)  |                  | 95777   |  |
| A               | 47                        | 129SV19008          | OP-UA3                       | PROCESS WATER TANK (129SV19.008)   |                  | 106.472/09/04/2000  |  |
| A               | 48                        | 129SV19012          | OP-UA3, OP-REQ2              | CLARIFIED WATER TANK (129SV19.012) |                  | 106.472/09/04/2000  |  |
| A               | 49                        | 129SV19014          | OP-UA3, OP-REQ2              | POLYMER TANK (129SV19.014)         |                  | 106.472/09/04/2000  |  |
| A               | 50                        | 129SV19016          | OP-UA3, OP-REQ2              | ALUM/POLYMER TANK (129SV19.016)    |                  | 106.472/09/04/2000  |  |
| A               | 51                        | 129SV19017          | OP-UA3, OP-REQ2              | BLEACH TANK (129SV19.017)          |                  | 106.472/09/04/2000  |  |
| A               | 52                        | 129SV19018          | OP-UA3, OP-REQ2              | COAGULANT MIXER TANK (129SV19.018) |                  | 106.472/09/04/2000  |  |
| A               | 53                        | 129SV19019A         | OP-UA3, OP-REQ2              | BLEACH TANK (129SV19.019A          |                  | 106.472/09/04/2000  |  |
| A               | 54                        | 129SV19019B         | OP-UA3, OP-REQ2              | REFLUX WSAC BLEACH TANK            |                  | 106.472/09/04/2000  |  |
| A               | 55                        | FUG-02129           | OP-UA12                      | FRACTIONATION UNIT VI              |                  | 95777   |  |
| A               | 67                        | 136CAUSTK1          | OP-UA3, OP-REQ2              | TREATMENT TANK                     |                  | 106.472/09/04/2000<br>[111147]  |  |
| A               | 68                        | 136CAUSTK2          | OP-UA3, OP-REQ2              | TREATMENT TANK                     |                  | 106.472/09/04/2000<br>[111147]  |  |
| A               | 69                        | 136CAUSTK3          | OP-UA3, OP-REQ2              | TREATMENT TANK                     |                  | 106.472/09/04/2000<br>[111147]  |  |

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| <b>Unit/Process<br/>AI</b> | <b>Unit/Process<br/>Revision No.</b> | <b>Unit/Process ID No.</b> | <b>Unit/Process<br/>Applicable Form</b> | <b>Unit/Process Name/Description</b> | <b>Unit/Process<br/>CAM</b> | <b>Preconstruction<br/>Authorizations 30 TAC<br/>Chapter 116/ 30 TAC Chapter<br/>106</b> | <b>Preconstruction<br/>Authorizations Title I</b> |
|----------------------------|--------------------------------------|----------------------------|---|--------------------------------------|-----------------------------|--|---|
| A                          | 71                                   | FUG-52130                  | OP-UA12                                 | NORTH PLANT DIB UNIT FUGITIVES       |                             | 106.261/11/01/2003[94067]  |   |

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|----------------|-------------------|-----------------------------|
| August 9, 2024 | O3557             | 102323268                   |

| <b>Revision No.</b> | <b>ID No.</b> | <b>Applicable Form</b> | <b>Group AI</b> | <b>Group ID No.</b> |
|---------------------|---------------|------------------------|-----------------|---------------------|
| 4                   | 126HR15001    | OP-UA5<br>OP-UA6       | A               | GRP-HR03            |
| 5                   | 126HR15002    | OP-UA5<br>OP-UA6       | A               | GRP-HR02            |
| 6                   | 126HT16028    | OP-REQ2                | A               | GRP-CT              |
| 7                   | 126HT16029    | OP-REQ2                | A               | GRP-CT              |
| 9                   | 126SV19002    | OP-UA3, OP-REQ2        | A               | GRP-TK02            |
| 10                  | 126SV19003    | OP-UA3, OP-REQ2        | A               | GRP-TK04            |
| 11                  | 126SV19004    | OP-UA3, OP-REQ2        | A               | GRP-TK07            |
| 12                  | 126SV19006    | OP-UA3, OP-REQ2        | A               | GRP-TK03            |
| 14                  | 128HR16001    | OP-UA5<br>OP-UA6       | A               | <b>GRP-HR03</b>     |
| 15                  | 128HR16002    | OP-UA5<br>OP-UA6       | A               | GRP-HR02            |

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| <b>Revision No.</b> | <b>ID No.</b> | <b>Applicable Form</b> | <b>Group AI</b> | <b>Group ID No.</b> |
|---------------------|---------------|------------------------|-----------------|---------------------|
| 16                  | 128HT17028    | OP-REQ2                | A               | GRP-CT              |
| 17                  | 128HT17029    | OP-REQ2                | A               | GRP-CT              |
| 18                  | 128SV19002    | OP-UA3, OP-REQ2        | A               | GRP-TK02            |
| 19                  | 128SV19003    | OP-UA3, OP-REQ2        | A               | GRP-TK04            |
| 20                  | 128SV19006    | OP-UA3, OP-REQ2        | A               | GRP-TK03            |
| 23                  | 128PV17031    | OP-REQ2                | A               | GRP-PROC            |
| 24                  | 128PV17032    | OP-REQ2                | A               | GRP-PROC            |
| 25                  | 128PV17033    | OP-REQ2                | A               | GRP-PROC            |
| 26                  | 128PV17036    | OP-REQ2                | A               | GRP-PROC            |
| 27                  | 128SV19012    | OP-UA3, OP-REQ2        | A               | GRP-TK02            |

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| <b>Revision No.</b> | <b>ID No.</b> | <b>Applicable Form</b> | <b>Group AI</b> | <b>Group ID No.</b> |
|---------------------|---------------|------------------------|-----------------|---------------------|
| 28                  | 128SV19016    | OP-UA3, OP-REQ2        | A               | GRP-1K-             |
| 29                  | 128SV19017    | OP-UA3, OP-REQ2        | A               | GRP-NVOC            |
| 30                  | 128SV19018    | OP-UA3, OP-REQ2        | A               | GRP-1K-             |
| 31                  | 128SV19019A   | OP-UA3, OP-REQ2        | A               | GRP-NVOC            |
| 32                  | 128SV19019B   | OP-UA3, OP-REQ2        | A               | GRP-NVOC            |
| 33                  | 128SV19021    | OP-UA3, OP-REQ2        | A               | GRP-1K-             |
| 34                  | 128SV19023    | OP-UA3, OP-REQ2        | A               | GRP-1K-             |
| 35                  | 128SV20004    | OP-UA3, OP-REQ2        | A               | GRP-TK07            |
| 37                  | FUG-02128     | OP-UA12                | A               | GRP-FUG02           |
| 39                  | 129HR17001    | OP-UA5<br>OP-UA6       | A               | GRP-HR03            |

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| Revision No. | ID No.     | Applicable Form  | Group AI | Group ID No. |
|--------------|------------|------------------|----------|--------------|
| 40           | 129HR17002 | OP-UA5<br>OP-UA6 | A        | GRP-HR02     |
| 41           | 129HT18028 | OP-REQ2          | A        | GRP-CT       |
| 42           | 129HT18029 | OP-REQ2          | A        | GRP-CT       |
| 43           | 129PV17008 | OP-UA3, OP-REQ2  | A        | GRP-1K-      |
| 44           | 129SV19002 | OP-UA3, OP-REQ2  | A        | GRP-TK02     |
| 45           | 129SV19003 | OP-UA3, OP-REQ2  | A        | GRP-TK04     |
| 48           | 129SV19012 | OP-UA3, OP-REQ2  | A        | GRP-TK02     |
| 49           | 129SV19014 | OP-UA3, OP-REQ2  | A        | GRP-1K-      |
| 50           | 129SV19016 | OP-UA3, OP-REQ2  | A        | GRP-1K-      |
| 51           | 129SV19017 | OP-UA3, OP-REQ2  | A        | GRP-NVOC     |



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| Revision No. | ID No.      | Applicable Form | Group AI | Group ID No. |
|--------------|-------------|-----------------|----------|--------------|
| 52           | 129SV19018  | OP-UA3, OP-REQ2 | A        | GRP-1K-      |
| 53           | 129SV19019A | OP-UA3, OP-REQ2 | A        | GRP-NVOC     |
| 54           | 129SV19019B | OP-UA3, OP-REQ2 | A        | GRP-NVOC     |
| 55           | FUG-02129   | OP-UA12         | A        | GRP-FUG02    |
| 67           | 136CAUSTK1  | OP-UA3, OP-REQ2 | A        | GRP-NVOC     |
| 68           | 136CAUSTK2  | OP-UA3, OP-REQ2 | A        | GRP-NVOC     |
| 69           | 136CAUSTK3  | OP-UA3, OP-REQ2 | A        | GRP-NVOC     |

**ATTACHMENT 4 – OP-REQ1: Application  
Area-Wide Applicability Determination**

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

*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.<br><i>If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6.</i><br><i>If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.</i> | <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 type="checkbox"/> YES <input checked="" 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                 |
| ◆   | 8. Emissions from units in the application area include contributions from uncombined water.  | <input type="checkbox"/> YES <input checked="" 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<br><input type="checkbox"/> N/A |

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

|             |             |
|-------------|-------------|
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| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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|   |  |   |
|---|--|---|
| <b>Form OP-REQ1: Page 2</b>   |  |   |
| <b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)</b>   |  |   |
| <b>B. Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots</b>  |  |   |
| 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.   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆   | b. The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆   | c. The application area is located in the portion of Harris County inside the loop formed by Beltway 8.  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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.               | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <i>If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO," go to Section I.C.</i> |  |   |
| 2. Items a - d determine the specific applicability of these requirements.  |  |   |
| ◆   | a. The application area is subject to 30 TAC § 111.143.  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆   | b. The application area is subject to 30 TAC § 111.145.  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆   | c. The application area is subject to 30 TAC § 111.147.  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| ◆   | d. The application area is subject to 30 TAC § 111.149.  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <b>C. Emissions Limits on Nonagricultural Processes</b>   |  |   |
| ◆   | 1. The application area includes a nonagricultural process subject to 30 TAC § 111.151.  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
|   | 2. The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements.<br><i>If the response to Question I.C.2 is "NO," go to Question I.C.4.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|   | 3. All vents from nonagricultural process in the application area are subject to additional monitoring requirements.   | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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**Form OP-REQ1: Page 3**

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

**C. Emissions Limits on Nonagricultural Processes (continued)**

|    |   |   |
|----|---|---|
| 4. | The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).  | <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.<br><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.<br><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 |
|----|---|---|

**E. Outdoor Burning**

|      |   |   |
|------|---|---|
| ◆ 1. | Outdoor burning is conducted in the application area.<br><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            |

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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|   |   |   |
|---|---|---|
| <b>Form OP-REQ1: Page 4</b>   |   |   |
| <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.<br><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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**C. Industrial Wastewater**

|    |  |   |
|----|--|---|
| 1. | The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140.<br><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 checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 2. | The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area.<br><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).<br><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).<br><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  |

**D. Loading and Unloading of VOCs**

|      |   |   |
|------|---|---|
| ◆ 1. | The application area includes VOC loading operations.   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆ 2. | The application area includes VOC transport vessel unloading operations.<br><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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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**D. Loading and Unloading of VOCs (continued)**

|   |  |   |
|---|--|---|
| ◆ | 3. Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|---|--|---|

**E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**

|   |  |   |
|---|--|---|
| ◆ | 1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container.<br><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.<br><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.<br><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.<br><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            |



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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)**

|   |  |  |
|---|--|--|
| ◆ | 8. At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004.<br><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 |

**F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**

|   |  |  |
|---|--|--|
| ◆ | 1. Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area. | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A |
|---|--|--|

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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)**

|   |  |  |
|---|--|--|
| ◆ | 2. Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area. | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><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<br><input type="checkbox"/> N/A |

**G. Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**

|   |   |   |
|---|---|---|
| ◆ | 1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks.<br><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 checked="" type="checkbox"/> NO<br><input 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.<br><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<br><input type="checkbox"/> N/A            |

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|  |   |
|--|---|
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| <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.<br><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 checked="" type="checkbox"/> NO<br><input 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<br><input type="checkbox"/> N/A            |

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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**K. Cutback Asphalt**

|    |   |  |
|----|---|--|
| 1. | Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency.<br><i>If the response to Question III.K.1 is "N/A," go to Section III.L.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO[NM1]<br><input 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 checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A      |
| 3. | Asphalt emulsion is used or produced within the application area.   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                      |
| 4. | The application area is using an alternate control requirement as specified in 30 TAC § 115.513.<br><i>If the response to Question III.K.4 is "NO," go to Section III.L.</i>  | <input type="checkbox"/> YES <input checked="" 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   |

**L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels**

|      |   |   |
|------|---|---|
| ◆ 1. | The application area includes degassing operations for stationary, marine, and/or transport vessels.<br><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 checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| ◆ 2. | Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area.<br><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<br><input type="checkbox"/> N/A            |

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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)**

|   |    |   |  |
|---|----|---|--|
| ◆ | 3. | Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.  | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><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<br><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<br><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<br><input type="checkbox"/> N/A |

**M. Petroleum Dry Cleaning Systems**

|  |    |  |   |
|--|----|--|---|
|  | 1. | The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
|--|----|--|---|

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**III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)**

**N. Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC))**

|   |  |   |
|---|--|---|
| 1.  | The application area includes one or more vent gas streams containing HRVOC.   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A |
| 2.  | The application area includes one or more flares that emit or have the potential to emit HRVOC.<br><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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><input 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 checked="" 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.<br><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 checked="" 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 checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |

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**IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**

**A. Applicability**

|   |  |   |
|---|--|---|
| ◆ | 1. The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area.<br><i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H.<br/>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.<br/>For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F.<br/>For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.</i> | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
|   | 2. The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln.<br><i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i>  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|   | 3. The application area includes a utility electric generator in an east or central Texas county.<br><i>See instructions for a list of counties included.<br/>If the response to Question IV.A.3 is "YES," go to Question IV.G.1.<br/>If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.</i>  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

**B. Utility Electric Generation in Ozone Nonattainment Areas**

|  |   |   |
|--|---|---|
|  | 1. The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300.<br><i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i> | <input type="checkbox"/> YES <input checked="" 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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**IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**

**C. Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**

|   |   |   |
|---|---|---|
| ◆ | 1. The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400.<br><br><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 checked="" 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><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 checked="" type="checkbox"/> NO                                 |

**D. Adipic Acid Manufacturing**

|    |   |   |
|----|---|---|
| 1. | The application area is located at, or part of, an adipic acid production unit. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
|----|---|---|

**E. Nitric Acid Manufacturing - Ozone Nonattainment Areas**

|    |  |   |
|----|--|---|
| 1. | The application area is located at, or part of, a nitric acid production unit. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><input type="checkbox"/> N/A |
|----|--|---|

**F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**

|   |   |   |
|---|---|---|
| ◆ | 1. The application area is located at a site that is a minor source of NO <sub>x</sub> in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County).<br><br><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 checked="" 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.<br><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.<br><i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i> | <input type="checkbox"/> YES <input checked="" 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.<br><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>Form OP-REQ1: Page 16</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</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.<br><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.<br><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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**V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)**

**C. Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings**

|    |  |   |
|----|--|---|
| 1. | The application area manufactures or imports architectural coatings for sale or distribution in the United States.   | <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.<br><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            |

**D. Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings**

|    |  |   |
|----|--|---|
| 1. | The application area manufactures or imports aerosol coating products for sale or distribution in the United States. | <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 |

**E. Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**

|    |   |   |
|----|---|---|
| 1. | The application area manufactures or imports portable fuel containers for sale or distribution in the United States.<br><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            |

**VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards**

**A. Applicability**

|   |    |  |   |
|---|----|--|---|
| ◆ | 1. | The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts.<br><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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**VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**

**B. Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**

|    |   |   |
|----|---|---|
| 1. | The application area is located at a coal preparation and processing plant.<br><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).<br><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.<br><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.<br><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            |

**C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**

|   |   |  |
|---|---|--|
| ◆ | 1. The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired.<br><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<br><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.<br><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.<br><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<br><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).<br><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.<br><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.<br><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> |   |
| ◆  | <div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>4. Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD.</p> <p><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></p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES   <input type="checkbox"/> NO </div> </div> |
| ◆  | <p>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.</p>  |
| <b>F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants</b>   |   |
|  | <div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>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.</p> <p><i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i></p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES   <input checked="" type="checkbox"/> NO </div> </div>  |
|  | <div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>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.</p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES   <input type="checkbox"/> NO </div> </div>   |
| <b>G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems</b>                              |   |
|  | <div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>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.</p> <p><i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i></p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES   <input checked="" type="checkbox"/> NO </div> </div>             |
|  | <div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>2. The application area includes storm water sewer systems.</p> </div> <div style="width: 15%; text-align: right;"> <input type="checkbox"/> YES   <input type="checkbox"/> NO </div> </div>  |

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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.<br><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.<br><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<br>N[ <b>NM2</b> ]O<br><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.<br><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.<br><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.<br><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[NM3]<br><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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**VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**

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

|   |   |  |
|---|---|--|
| ◆ | 3. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆ | 4. The application area includes at least one air curtain incinerator.<br><i>If the response to Question VI.I.4 is "NO," go to Section VI.J.</i>  | <input type="checkbox"/> YES <input 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.<br><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.<br><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 <small>[NM4]</small><br><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.<br><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.<br><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 checked="" type="checkbox"/> YES <input 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.<br><i>If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.</i>  |
| <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><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 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<br><input type="checkbox"/> N/A   |   |

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| <b>Form OP-REQ1: Page 26</b>  |  |
| <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).<br><i>If the response to Question VII.D.1 is "NO," go to Section VII.E.</i> | <input type="checkbox"/> YES <input 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>   |  |
| <b><i>Applicability</i></b>   |  |
| 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.<br><i>If the response to Question VII.E.1 is "NO," go to Section VII.F.</i>                   | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <b><i>Roadway Construction</i></b>  |  |
| 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 |
| <b><i>Manufacturing Commercial Asbestos</i></b>   |  |
| 3. The application area includes a manufacturing operation using commercial asbestos.<br><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>Form OP-REQ1: Page 27</b>   |  |
| <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.<br><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.<br><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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**VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**

**E. Subpart M - National Emission Standard for Asbestos (continued)**

***Asbestos Spray Application (continued)***

|   |  |
|---|--|
| d. Asbestos-containing waste material is processed into non-friable forms.  | <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 |

***Fabricating Commercial Asbestos***

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| 5. The application area includes a fabricating operation using commercial asbestos.<br><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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**Form OP-REQ1: Page 29**

**VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**

**E. Subpart M - National Emission Standard for Asbestos (continued)**

***Fabricating Commercial Asbestos (continued)***

|   |  |
|---|--|
| f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.                          | <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 |

***Non-sprayed Asbestos Insulation***

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| 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 |
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***Asbestos Conversion***

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| 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 |
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**F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities**

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| 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 type="checkbox"/> NO |
|--|--|

**G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations**

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|---|--|
| 1. The application area is located at a benzene production facility and/or bulk terminal.<br><i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i> | <input type="checkbox"/> YES <input 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>Form OP-REQ1: Page 30</b>  |  |
| <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 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).<br><i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i> | <input 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.<br><i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>  | <input type="checkbox"/> YES <input 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).<br><i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>                       | <input 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.<br><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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**VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**

**H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**

***Applicability (continued)***

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| 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 |

***Waste Stream Exemptions***

- |     |  |  |
|-----|--|--|
| 8.  | The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).   | <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).<br><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>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.<br><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.<br><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.<br><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.<br><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).<br><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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**VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)**

**H. Subpart FF - National Emission Standard for Benzene Waste Operations (continued)**

***Individual Drain Systems (continued)***

|   |  |
|---|--|
| 22. The application area has individual drain systems complying with 40 CFR § 61.346(b).<br><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 |
|---|--|

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

***Remediation Activities***

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

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

**A. Applicability**

|  |   |
|--|---|
| ◆ 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63.<br><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. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**

|   |   |
|---|---|
| 1. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a).<br><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>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>   |   |
| <p>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).</p> <p><i>If the response to Question VIII.B.2 is "NO," go to Section VIII.D.</i></p>  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <p>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.</p>   | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <p>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.</p>  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| <p>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.</p> <p><i>If the response to Questions VIII.B.3, B.4 and B.5 are all "NO," go to Section VIII.D.</i></p> | <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**

***Applicability***

- |    |  |  |
|----|--|--|
| 1. | The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F.<br><i>If the response to Question VIII.C.1 is "NO," go to Section VIII.D.</i> | <input type="checkbox"/> YES <input 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.<br><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.<br><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 |

***Vapor Collection and Closed Vent Systems***

- |    |   |  |
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| 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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**Form OP-REQ1: Page 36**

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

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

***Reloading or Cleaning of Railcars, Tank Trucks, or Barges***

8. The application area includes reloading and/or cleaning of railcars, tank trucks, or barges that deliver HAPs to a storage tank. ☐ YES ☐ NO  
*If the response to Question VIII.C.8 is "NO," go to Question VIII.C.11.*

9. The application area includes operations that are complying with § 63.119(g)(6) through the use of a closed-vent system with a control device used to reduce inlet emissions of HAPs by at least 95 percent by weight or greater. ☐ YES ☐ NO

10. The application area includes operations that are complying with § 63.119(g)(6) through the use of a vapor balancing system. ☐ YES ☐ NO

***Transfer Racks***

11. The application area includes Group 1 transfer racks that load organic HAPs. ☐ YES ☐ NO

***Process Wastewater Streams***

12. The application area includes process wastewater streams. ☐ YES ☐ NO  
*If the response to Question VIII.C.12 is "NO," go to Question VIII.C.34.*

13. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. ☐ YES ☐ NO  
*If the response to Question VIII.C.13 is "NO," go to Question VIII.C.15.*

14. The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii). ☐ YES ☐ NO

15. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. ☐ YES ☐ NO  
*If the response to Question VIII.C.15 is "NO," go to Question VIII.C.17.*

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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)***

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| 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.<br><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)***

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

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

***Drains***

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| 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.<br><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).<br><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).<br><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>Form OP-REQ1: Page 41</b>   |   |
| <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.<br><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.<br><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.<br><i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| 2. Chromium-based water treatment chemicals have been used on or after September 8, 1994.  | <input type="checkbox"/> YES <input checked="" 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.<br><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.<br><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>Form OP-REQ1: Page 42</b>  |  |
| <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.<br><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.<br><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).<br><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).<br><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).<br><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).<br><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.<br><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.<br><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).<br><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.<br><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.<br><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.<br><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.<br><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>Form OP-REQ1: Page 45</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>  |  |
| 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.<br><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.<br><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.<br><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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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**

**Containers**

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| 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 |
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**Drains**

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| 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. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
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*If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.*

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| 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 |
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| 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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| 15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
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*If the response to Question VIII.J.15 is "NO," go to Section VIII.K.*

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| 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). | <input type="checkbox"/> YES <input type="checkbox"/> NO |
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*If the response to Question VIII.J.16 is "NO," go to Section VIII.K.*



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

**J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)**

***Drains (continued)***

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| 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 |

**K. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**

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| 1. The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area.<br><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<br><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.<br><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<br><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).<br><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).<br><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>Form OP-REQ1: Page 49</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>  |  |
| 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).<br><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.<br><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.<br><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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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**

***Applicability (continued)***

9. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). ☐ YES ☐ NO  
*If the response to Question VIII.N.9 is "NO," go to Section VIII.O.*

10. The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992. ☐ YES ☐ NO

***Containers, Drains, and other Appurtenances***

11. The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii). ☐ YES ☐ NO

12. The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii). ☐ YES ☐ NO

**O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**

1. The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). ☐ YES ☒ NO ☐ N/A  
*If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P*

2. Materials specified in 40 CFR § 63.680(b)(2) are received at the application area. ☐ YES ☐ NO

3. The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265. ☐ YES ☐ NO

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

**O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**

|   |  |
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| 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.<br><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.<br><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>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.<br><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<br><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.<br><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><br><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.<br><i>For SOP applications, if the response to Question VIII.Q.3 is "YES," go to Section VIII.R.</i><br><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.<br><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>Form OP-REQ1: Page 54</b>   |  |  |
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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>           |  |  |
| ◆  | <p>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.</p> <p><i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i></p> <p><i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i></p> <p><i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i></p> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆  | <p>6. The application area includes a triethylene glycol (TEG) dehydration unit.</p> <p><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></p>   | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆  | <p>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.</p>  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆  | <p>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.</p>   | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆  | <p>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).</p>   | <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>R. Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)</b>  |   |
| 1. The application area includes shipbuilding or ship repair operations.<br><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.<br><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<br><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<br><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.<br><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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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**U. Subpart PP - National Emission Standards for Containers (continued)**

4. The application area includes containers using Container Level 3 controls. ☐ YES ☐ NO

**V. Subpart RR - National Emission Standards for Individual Drain Systems**

1. The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions. ☐ YES ☒ NO

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**

1. The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. ☐ YES ☒ NO

2. The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.  
*If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.* ☐ YES ☒ NO

3. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c). ☐ YES ☐ NO

4. The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c). ☐ YES ☐ NO

5. All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr. ☐ YES ☐ NO

6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr.  
*If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.* ☐ YES ☐ NO

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

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

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| 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.<br><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.<br><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>  |  |
| <p>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.<br/> <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i></p> | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <p>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).<br/> <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i></p>  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <p>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.</p>  | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <p>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.</p>         | <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<br><input type="checkbox"/> N/A |
| 21. The application area includes waste streams generated from an ethylene production process unit.<br><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<br><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).<br><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.<br><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.<br><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).<br><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.<br><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).<br><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.<br><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.<br><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.<br><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.<br><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.<br><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.<br><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).<br><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).<br><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.<br><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.<br><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.<br><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.<br><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.<br><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).<br><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).<br><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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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**

|   |   |
|---|---|
| 53. Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.                                       | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 54. The application area contains a cyanide chemicals manufacturing process.<br><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            |

**X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins**

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

**X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**

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

**X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**

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| 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 |
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**Containers**

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| 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 |
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**Drains**

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| 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. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
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*If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.*

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| 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 |
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| 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 |
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| 18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
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*If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.*

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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).<br><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 type="checkbox"/> YES <input checked="" 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.<br><i>If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.</i> | <input type="checkbox"/> YES <input checked="" 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.<br><i>If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.</i>   | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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| <b>Form OP-REQ1: Page 69</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>   |  |
| 5. The application area includes process wastewater streams.<br><i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>   | <input type="checkbox"/> YES <input 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.<br><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.<br><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.<br><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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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

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| 13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h).<br><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.<br><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 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.<br><i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>                   | <input type="checkbox"/> YES <input 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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**VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**

**AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)**

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| 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).<br><i>If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.</i>   | <input type="checkbox"/> YES <input 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).<br><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.<br><i>If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.</i>   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| 2. The application area is located at a site that is a major source of HAP.<br><i>If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.</i>   | <input 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).<br><i>If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.</i>   | <input type="checkbox"/> YES <input 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.<br><i>If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.</i> | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 5. The site remediation will be completed within 30 consecutive calendar days.  | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
| 6. No site remediation will exceed 30 consecutive calendar days.<br><i>If the answer to Question VIII.CC.6 is "YES," go to Section VIII.DD.</i>   | <input type="checkbox"/> YES <input 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 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.<br><i>If the answer to Question VIII.CC.8 is "YES," go to Section VIII.DD.</i>  | <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)**

**CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)**

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| 9.  | The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG.<br><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 |

**DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities<sup>[NMS]s</sup>**

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| 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.<br><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.<br><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 BBBBBB - 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.<br><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 BBBBBB, 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 BBBBBB.  | <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 BBBBBB.<br><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 BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC.<br><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.<br><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.<br><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>Form OP-REQ1: Page 75</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 BBBBBB - 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 CCCCCC - 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.<br><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.<br><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.<br><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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆ 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.   |   |
| <b>40 CFR 63 Subpart DDDDD</b>   |   |

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| <b>Form OP-REQ1: Page 76</b>   |   |
| <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 type="checkbox"/> YES <input checked="" 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<br><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<br><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<br><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<br><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<br><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<br><input type="checkbox"/> N/A |

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**Form OP-REQ1**  
**Federal Operating Permit Program**

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
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**Form OP-REQ1: Page 77**

**X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)**

**F. Subpart F - Recycling and Emissions Reduction**

|   |   |   |
|---|---|---|
| ◆ | 1. Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area. | <input type="checkbox"/> YES <input checked="" 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<br><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<br><input type="checkbox"/> N/A |

**G. Subpart G - Significant New Alternatives Policy Program**

|   |   |   |
|---|---|---|
| ◆ | 1. The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound.<br><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<br><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<br><input type="checkbox"/> N/A            |

**H. Subpart H -Halon Emissions Reduction**

|   |  |   |
|---|--|---|
| ◆ | 1. Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br><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<br><input type="checkbox"/> N/A |

**XI. Miscellaneous**

**A. Requirements Reference Tables (RRT) and Flowcharts**

|    |   |   |
|----|---|---|
| 1. | The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart. | <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>   |  |
| ◆   | <div>1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form.</div> <div><i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i></div>  |
|   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> N/A  |
| ◆   | <div>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.</div> <div style="text-align: center;"><b>40 CFR 63 Subpart EEEE</b></div>  |
| <b>C. Emission Limitation Certifications</b>  |  |
| ◆   | <div>1. The application area includes units for which federally enforceable emission limitations have been established by certification.</div>   |
|   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO  |
| <b>D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements</b> |  |
|   | <div>1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).</div>   |
|   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |
|   | <div>2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.</div>  |
|   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |
|   | <div>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.</div> <div><i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i></div>       |
|   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |
|   | <div>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.</div> <div><i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i></div> |
|   | <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.<br><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.<br><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 checked="" type="checkbox"/> YES <input 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.<br><i>If the response to Question XI.J.1 is "NO," go to question XI.J.3.</i>  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO                                 |
| ◆  | 2. The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><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<br><input type="checkbox"/> N/A |

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**XI. Miscellaneous (continued)**

**J. Title 30 TAC Chapter 101, Subchapter H (continued)**

|   |    |  |   |
|---|----|--|---|
| ◆ | 4. | The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO <sub>x</sub> .   | <input checked="" type="checkbox"/> YES <input 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 checked="" type="checkbox"/> YES <input 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 |

**K. Periodic Monitoring**

|   |    |  |   |
|---|----|--|---|
| ◆ | 1. | The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.                                     | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| ◆ | 2. | The permit currently contains at least one periodic monitoring requirement.<br><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.<br><i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| ◆   | 2. The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement.<br><i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i>   | <input 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 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.<br><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 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 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 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).<br><i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i>  | <input type="checkbox"/> YES <input 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 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 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 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 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.<br><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<br><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.<br><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.<br><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 type="checkbox"/> YES <input checked="" 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 checked="" type="checkbox"/> YES <input 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.<br><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 checked="" 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 checked="" 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 |



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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

*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.: PSDTX1286  | Issuance Date: 4/18/2022  | Pollutant(s): CO, NO <sub>x</sub> , VOC |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| PSD Permit No.:  | Issuance Date:            | Pollutant(s):                           |                |
| 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.: N154  | Issuance Date: 04/18/2022 | Pollutant(s): CO, NO <sub>x</sub> , VOC |                |
| 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: |
| <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.: 100091  | Issuance Date: 04/18/2022 | Authorization No.:                      | Issuance Date: |
| Authorization No.: 87477   | Issuance Date: 03/06/2018 | Authorization No.:                      | Issuance Date: |
| Authorization No.: 93268   | Issuance Date: 09/11/2019 | Authorization No.:                      | Issuance Date: |
| Authorization No.: 95777   | Issuance Date: 05/13/2020 | Authorization No.:                      | Issuance Date: |
| Authorization No.:   | Issuance Date:            | Authorization No.:                      | Issuance Date: |

## Federal Operating Permit Program

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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

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

[illegible]

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

|             |             |
|-------------|-------------|
| Date:       | 08/09/2024  |
| Permit No.: | O3557       |
| RN No.:     | RN102323268 |

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

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

|   |                   |
|---|-------------------|
| 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:    |

**ATTACHMENT 5 – OP-REQ2: Negative  
Applicable/Superseded Requirements  
Determinations**

**Form OP-REQ2**  
**Negative Applicable/Superseded Requirement Determinations**  
**Texas Commission on Environmental Quality**

| <b>Date:</b>   | <b>Permit No.:</b> | <b>Regulated Entity No:</b> |
|----------------|--------------------|-----------------------------|
| August 9, 2024 | O3557              | 102323268                   |

| <b>Unit AI</b> | <b>Revision No.</b>            | <b>Unit/Group/Process ID No.</b> | <b>Unit/Group/Process Applicable Form</b> | <b>Potentially Applicable Regulatory Name</b> | <b>Negative Applicability/Superseded Requirement Citation</b> | <b>Negative Applicability/Superseded Requirement Reason</b>   |
|----------------|--------------------------------|----------------------------------|---|---|---|---|
| A              | 6, 7, 16, 17, 41, 42           | GRP-CT                           | OP-REQ2                                   | 30 TAC Chapter 115, HRVOC Cooling Towers      | 115.760(a)  | The VOC liquids are circulated through the coolers in welded closed loop tube bundles where they are sprayed with water to create a cooling effect; therefore, they are not a source of HRVOC.                              |
| A              | 6, 7, 16, 17, 41, 42           | GRP-CT                           | OP-REQ2                                   | 40 CFR Part 63, Subpart Q                     | §63.400(a)  | Facility does not operate cooling tower with compounds containing chromium.   |
| A              | 9, 18, 27, 44, 48              | GRP-TK02                         | OP-UA3                                    | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | This subpart does not apply to storage vessels with a capacity < 19,812.9 gallons.  |
| A              | 10, 19, 45                     | GRP-TK04                         | OP-UA3                                    | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | This subpart does not apply to storage vessels with a capacity greater than or equal to 19,812.9 gallons but less than 39,889.98 gallons storing a liquid with a maximum true vapor pressure less than 15.0 kPa (2.2 psia). |
| A              | 11, 35                         | GRP-TK07                         | OP-UA3                                    | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | This subpart does not apply to storage vessels with a capacity < 19,812.9 gallons.  |
| A              | 12, 20                         | GRP-TK03                         | OP-UA3                                    | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | This subpart does not apply to storage vessels with a capacity < 19,812.9 gallons.  |
| A              | 22                             | 128PV17030                       | OP-REQ2                                   | 40 CFR Part 60, Subpart Kb                    | §60.110b(d)   | Process vessels are not included in the definition of a storage vessel.   |
| A              | 22                             | 128PV17030                       | OP-REQ2                                   | 30 TAC Chapter 115, Storage of VOCs           | 115.110(a)  | Process vessels are not included in the definition of a storage vessel.   |
| A              | 23, 24, 25, 26                 | GRP-PROC                         | OP-REQ2                                   | 40 CFR Part 60, Subpart Kb                    | §60.110b(d)   | Process vessels are not included in the definition of a storage vessel.   |
| A              | 28, 30, 33, 34, 43, 49, 50, 52 | GRP-1K-                          | OP-UA3                                    | 30 TAC Chapter 115, Storage of VOCs           | 115.111(a)(8)   | Storage tanks with storage capacity less than or equal to 1,000 gallons are exempt from the requirements of this division   |
| A              | 28, 30, 33, 34, 43, 49, 50, 52 | GRP-1K-                          | OP-UA3                                    | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | This subpart does not apply to storage vessels with a capacity < 19,812.9 gallons.  |
| A              | 29, 31, 32, 51, 53, 54         | GRP-NVOC                         | OP-UA3                                    | 30 TAC Chapter 115, Storage of VOCs           | 115.110(a)  | Storage vessel does not store volatile organic liquids.   |
| A              | 29, 31, 32, 51, 53, 54         | GRP-NVOC                         | OP-UA3                                    | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | Storage vessel does not store volatile organic liquids.   |
| A              | 46                             | 129SV19006                       | OP-REQ2                                   | 40 CFR Part 60, Subpart Kb                    | §60.110b(a)   | This subpart does not apply to storage vessels with a capacity < 19,812.9 gallons.  |

**ATTACHMENT 6 – OP-REQ3: Applicable  
Requirements Summary**

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|--|
| 8            | 126SK25001                | OP-UA7                             | R1111-01          | Opacity   | 30 TAC Chapter 111, Visible Emissions                                    | § 111.111(a)(4)(A)   |
| 8            | 126SK25001                | OP-UA7                             | 60A-01            | Opacity   | 40 CFR Part 60, Subpart A  | § 60.18(b)<br>§ 60.18(c)(1)<br>§ 60.18(c)(2)<br>§ 60.18(c)(3)(ii)<br>§ 60.18(c)(5)<br>§ 60.18(c)(6)<br>§ 60.18(e)  |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Sampling Systems)    | § 115.357(11)  |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs w Rupture Disk) | § 115.357(2)<br>§ 115.352(9)   |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs - <0.044 psia)  | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(9)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9) |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (OELs <0.044 psia)   | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9) |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Valves <0.044 psia) | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9) |



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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>03557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Flanges <0.044 psia)     | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(1)<br>§ 115.357(12)<br>§ 115.357(8)  |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors <0.044 psia) | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8) |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors<0.044 psia) | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps <0.044 psia)      | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)  |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|--|
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps <0.044 psia) | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) |
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (CVS- Flares)                              | § 60.632(a)<br>§ 60.18<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-10(d)<br>§ 60.482-10(m)<br>§ 60.486(k)<br>§ 60.633(g)   |
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (CVS- Vapor Recovery Systems)              | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-10(b)<br>§ 60.482-10(m)<br>§ 60.486(k)   |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(CVS)      | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>[G]§ 60.482-10(f)<br>[G]§ 60.482-10(g)<br>§ 60.482-10(h)<br>§ 60.482-10(i)<br>[G]§ 60.482-10(j)<br>[G]§ 60.482-10(k)<br>§ 60.482-10(m)<br>§ 60.486(k)  |
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(Pumps-LL) | § 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-2(a)(2)<br>§ 60.482-2(b)(1)<br>[G]§ 60.482-2(b)(2)<br>§ 60.482-2(c)(1)<br>[G]§ 60.482-2(c)(2)<br>§ 60.482-2(d)<br>[G]§ 60.482-2(d)(1)<br>§ 60.482-2(d)(2)<br>§ 60.482-2(d)(3)<br>[G]§ 60.482-2(d)(4)<br>[G]§ 60.482-2(d)(5)<br>[G]§ 60.482-2(d)(6)<br>[G]§ 60.482-2(e)<br>§ 60.482-2(f)<br>[G]§ 60.482-2(g)<br>§ 60.482-2(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(d)<br>§ 60.482-9(f)<br>§ 60.486(k) |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(Compressors) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-3(a)<br>[G]§ 60.482-3(b)<br>§ 60.482-3(c)<br>§ 60.482-3(d)<br>§ 60.482-3(e)(1)<br>§ 60.482-3(e)(2)<br>§ 60.482-3(f)<br>§ 60.482-3(g)(1)<br>§ 60.482-3(g)(2)<br>§ 60.482-3(h)<br>[G]§ 60.482-3(i)<br>§ 60.482-3(j)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) |
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(PRV - G/V)   | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-4(a)<br>§ 60.482-4(b)(1)<br>§ 60.482-4(c)<br>§ 60.482-4(d)(1)<br>§ 60.482-4(d)(2)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k)<br>[G]§ 60.633(b)(3)  |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(OEL)        | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-6(a)(1)<br>§ 60.482-6(a)(2)<br>§ 60.482-6(b)<br>§ 60.482-6(c)<br>§ 60.482-6(d)<br>§ 60.482-6(e)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k)                              |
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(Valves G/V) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-7(b)<br>§ 60.482-7(d)(1)<br>§ 60.482-7(d)(2)<br>[G]§ 60.482-7(e)<br>[G]§ 60.482-7(f)<br>[G]§ 60.482-7(g)<br>[G]§ 60.482-7(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(PRD - LL)   | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(b)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) |
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(Connectors) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(b)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 13           | FUG-02126                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60,<br>Subpart KKK<br>(Valves LL) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-7(b)<br>§ 60.482-7(d)(1)<br>§ 60.482-7(d)(2)<br>[G]§ 60.482-7(e)<br>[G]§ 60.482-7(f)<br>[G]§ 60.482-7(g)<br>[G]§ 60.482-7(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k) |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(Pumps)      | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>§ 61.242-2(a)(1)<br>§ 61.242-2(a)(2)<br>[G]§ 61.242-2(b)<br>[G]§ 61.242-2(c)<br>[G]§ 61.242-2(d)<br>[G]§ 61.242-2(e)<br>§ 61.242-2(f)<br>[G]§ 61.242-2(g)<br>§ 61.242-2(h)<br>§ 63.764(a)<br>§ 63.764(j)  |



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**Table 1a: Additions**

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|--|
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(Compressors) | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-3<br>§ 63.764(a)<br>§ 63.764(j)  |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(PRVs)        | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>§ 61.242-4(a)<br>§ 61.242-4(b)(1)<br>§ 61.242-4(b)(2)<br>§ 61.242-4(c)<br>[G]§ 61.242-4(d)<br>§ 63.764(a)<br>§ 63.764(j)<br>§ 63.769(c)(2)<br>§ 63.769(c)(3) |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(OELs)        | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-6<br>§ 63.764(a)<br>§ 63.764(j)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(Valves)     | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>§ 61.242-7(a)<br>§ 61.242-7(b)<br>[G]§ 61.242-7(c)<br>[G]§ 61.242-7(d)<br>[G]§ 61.242-7(e)<br>[G]§ 61.242-7(f)<br>[G]§ 61.242-7(g)<br>[G]§ 61.242-7(h)<br>[G]§ 61.243-1<br>[G]§ 61.243-2<br>§ 63.764(a)<br>§ 63.764(j) |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(PRVs - LL)  | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-8<br>§ 63.764(a)<br>§ 63.764(j)  |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(Connectors) | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-8<br>§ 63.764(a)<br>§ 63.764(j)  |

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**Table 1a: Additions**

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(Vapor Recovery Systems) | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>§ 61.242-11(b)<br>§ 61.242-11(e)<br>§ 61.242-11(m)<br>§ 63.764(a)<br>§ 63.764(j)   |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(Flares)                 | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>§ 61.242-11(e)<br>§ 61.242-11(m)<br>§ 63.11(b)<br>§ 63.764(a)<br>§ 63.764(j)   |
| 13           | FUG-02126                 | OP-UA12                            | 63HH-01           | HAPS      | 40 CFR Part 63,<br>Subpart HH<br>(CVS)                    | § 63.769(c)<br>§ 61.242-1(a)<br>§ 61.242-1(b)<br>§ 61.242-1(d)<br>[G]§ 61.242-10<br>[G]§ 61.242-11(f)<br>[G]§ 61.242-11(g)<br>§ 61.242-11(h)<br>§ 61.242-11(i)<br>[G]§ 61.242-11(j)<br>[G]§ 61.242-11(k)<br>§ 61.242-11(m)<br>§ 63.764(a)<br>§ 63.764(j) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs > 0.044 psia)        | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B), (3)<br>§115.352(5), (7), (9)<br>§115.357(8)-(9), (12)             |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (OELs > 0.044 psia)        | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B), (3)-(7)<br>§115.357(8), (9), (12)                                 |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Valves > 0.044 psia)      | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B)<br>§115.352(3)-(7)<br>§115.357(8), (9), (12)                       |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Connectors > 0.044 psia)  | §115.352(1)(A)<br>§115.352(1), (2), (2)(A), (3)<br>§115.352(5), (7)-(8)<br>§115.357(8), (12)                      |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors > 0.044 psia) | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3), (5), (7)<br>§115.357(8), (12) |
| 13           | FUG-02126                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps > 0.044 psia)       | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3), (5), (7)<br>§115.357(8), (12) |
| 21           | 128GE14001                | OP-UA2                             | R7303-01          | Exempt    | 30 TAC Chapter 117, Subchapter B  | [G]§ 117.303(a)(11)<br>[G]§ 117.310(f)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|--------------|--|---|
| 21           | 128GE14001                | OP-UA2                             | 60III-01          | CO           | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.112(a)  |
| 21           | 128GE14001                | OP-UA2                             | 60III-01          | NMHC and NOX | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.112(a)  |
| 21           | 128GE14001                | OP-UA2                             | 60III-01          | PM (Opacity) | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.113(a)(1)<br>§ 89.113(a)(2)<br>§ 89.113(a)(3) |
| 21           | 128GE14001                | OP-UA2                             | 60III-01          | PM           | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.112(a)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|--------------|--|--|
| 21           | 128GE14001                | OP-UA2                             | 63ZZZZ-04         | HAPS         | 40 CFR Part 63, Subpart ZZZZ           | § 63.6590(c)   |
| 36           | 128SV20008                | OP-UA3                             | R5111-a1          | VOC          | 30 TAC Chapter 115, Storage of VOCs    | § 115.111(a)(1)  |
| 36           | 128SV20008                | OP-UA3                             | 60-Kb02           | VOC          | 40 CFR Part 60, Subpart Kb             | § 60.110b(a)   |
| 38           | 129GE14001                | OP-UA2                             | R7303-01          | Exempt       | 30 TAC Chapter 117, Subchapter B       | [G]§ 117.303(a)(11)<br>[G]§ 117.310(f)   |
| 38           | 129GE14001                | OP-UA2                             | 60III-04          | CO           | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.112(a) |
| 38           | 129GE14001                | OP-UA2                             | 60III-04          | NMHC and NOX | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.112(a) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|--------------|--|---|
| 38           | 129GE14001                | OP-UA2                             | 60IIII-04         | PM (Opacity) | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.113(a)(1)<br>§ 89.113(a)(2)<br>§ 89.113(a)(3) |
| 38           | 129GE14001                | OP-UA2                             | 60IIII-04         | PM           | 40 CFR Part 60, Subpart IIII           | § 60.4205(b)<br>§ 60.4202(a)(2)<br>§ 60.4206<br>§ 60.4207(b)<br>[G]§ 60.4211(a)<br>§ 60.4211(c)<br>[G]§ 60.4211(f)<br>§ 60.4218<br>§ 89.112(a)  |
| 38           | 129GE14001                | OP-UA2                             | 63ZZZZ-05         | HAPS         | 40 CFR Part 63, Subpart ZZZZ           | § 63.6590(c)  |
| 46           | 129SV19006                | OP-UA3                             | R5111-a1          | VOC          | 30 TAC Chapter 115, Storage of VOCs    | § 115.111(a)(1)   |
| 47           | 129SV19008                | OP-UA3                             | R5111-a1          | VOC          | 30 TAC Chapter 115, Storage of VOCs    | § 115.111(a)(1)   |
| 47           | 129SV19008                | OP-UA3                             | 60Kb-02           | VOC          | 40 CFR Part 60, Subpart Kb             | § 60.110b(a)  |

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|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 56           | HR15.001A                 | OP-UA5                             | 63DDDDD -01       | HAPs      | 40 CFR Part 63, Subpart DDDDD           | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)§63.7540(a), [G](a)(10), (a)(13)  |
| 57           | HR15.001B                 | OP-UA5                             | 63DDDDD -01       | HAPs      | 40 CFR Part 63, Subpart DDDDD           | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)§63.7540(a), [G](a)(10), (a)(13)  |
| 58           | HR15.002A                 | OP-UA5                             | 63DDDDD -01       | HAPs      | 40 CFR Part 63, Subpart DDDDD           | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)§63.7540(a), [G](a)(10), (a)(13)  |
| 59           | HR15.002B                 | OP-UA5                             | 63DDDDD -01       | HAPs      | 40 CFR Part 63, Subpart DDDDD           | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)§63.7540(a), [G](a)(10), (a)(13)  |
| 60           | GRP-EF-FUG                | OP-UA12                            | 60OOOO-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Pumps LL) | §60.5400(a), §60.5370(b)<br>§60.5400(f), §60.5410(f),<br>§60.5420(a)(1),<br>§60.482-1a(a)-(b)<br>§60.482-2a(a)(1)-(2), (b)(1), (b)(1)(i)<br>§60.482-2a(b)(1)(ii), (b)(2), (b)(2)(ii)<br>§60.482-2a(c)(1), [G](c)(2), (d), [G](d)(1)<br>§60.482-2a(d)(2)-(3), [G](d)(6), [G](e)<br>§60.482-2a(f), [G](g), (h)<br>§60.482-9a(a)-(b), [G](d), (f)<br>§60.485a(b), (c), (c)(1), (f)<br>§60.486a(a)(1)-(2), (k) |



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**Table 1a: Additions**

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 60           | GRP-EF-FUG                | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (PRVs - GV/LL)   | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5401(b)(1)-(2), (b)(3)(i)-(ii)<br>§60.5401(b)(4)(i)-(ii)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.5422(b)<br>§60.482-1a(a)-(b)<br>§60.482-4a(a), (b)(1)-(2), (c)<br>§60.482-4a(d)(1)-(2)<br>§60.482-9a(a)-(b)<br>§60.485a(b), (c), (c)(1), (f)<br>§60.486a(a)(1)-(2), (k) |
| 60           | GRP-EF-FUG                | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (OELs)           | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.482-1a(a)-(b)<br>§60.482-6a(a)(1)-(2), (b)-(e)<br>§60.485a(b), (f)<br>§60.486a(a)(1)-(2), (k)   |
| 60           | GRP-EF-FUG                | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Valves G/V, LL) | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.482-1a(a)-(b)<br>§60.482-7a(a)(1), [G](a)(2), (b)<br>[G]§60.482-7a(c)-(h)<br>§60.485a(b), (c), (c)(1), (f)<br>§60.486a(a)(1)-(2), (k)   |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 60           | GRP-EF-FUG                | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Connectors G/V, LL)   | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.482-9a(a)-(b)<br>§60.482-11a(b)(2)-(3), (b)(3)(i), (d)<br>[G]§60.482-11a(e), [G](f)(1), (f)(2), (g)<br>§60.485a(b)<br>§60.486a(a)(1)-(2), (k) |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Pumps - Not Polymerizing Monomer) | §115.177(b)(1)(A)2<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3)  |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Pumps - HL)                       | §115.177(b)(1)(B)5<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3)  |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Valves)                           | §115.177(b)(1)(B)1<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3)  |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Flanges)                          | §115.177(b)(1)(B)2<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Connectors)       | §115.177(b)(1)(B)3<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3) |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (PRVs)             | §115.177(b)(1)(B)4<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3) |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Sampling Systems) | §115.177(b)(1)(B)6<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3) |
| 60           | GRP-EF-FUG                | OP-UA12                            | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas (Compressors)      | §115.177(b)(1)(C)<br>§115.177(b), (b)(1), (b)(4)-(5)<br>§115.177(b)(5)(A)-(B), (c)(3)  |
| 61           | SV19.002A                 | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)  |
| 62           | SV19.002B                 | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)  |
| 63           | SV19.003A                 | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)  |
| 64           | SV19.003B                 | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)  |
| 65           | SV19.006A                 | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)  |
| 66           | SV19.006B                 | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Sampling Systems)         | § 115.357(11)   |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs w Rupture Disk)      | § 115.357(2)<br>§ 115.352(9)  |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs > 0.044 psia)        | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B), (3)<br>§115.352(5), (7), (9)<br>§115.357(8)-(9), (12)             |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (OELs > 0.044 psia)        | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B), (3)-(7)<br>§115.357(8), (9), (12)                                 |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Valves > 0.044 psia)      | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B)<br>§115.352(3)-(7)<br>§115.357(8), (9), (12)                       |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Connectors > 0.044 psia)  | §115.352(1)(A)<br>§115.352(1), (2), (2)(A), (3)<br>§115.352(5), (7)-(8)<br>§115.357(8), (12)                      |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors > 0.044 psia) | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3), (5), (7)<br>§115.357(8), (12) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps > 0.044 psia)             | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3), (5), (7)<br>§115.357(8), (12)  |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressor w Shaft Seal System) | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3)<br>§115.352(5), (7)<br>§115.357(4), (8)   |
| 71           | FUG-52130                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pump w Shaft Seal System)       | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3)<br>§115.352(5), (7)<br>§115.357(4), (8)   |
| 71           | FUG-52130                 | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Receipricating Compressor)                            | §60.5385(a)(3)<br>§60.5370(b)<br>§60.5385(a)<br>§60.5410(c)(2)<br>§60.5411(a)(1)-(2)<br>§60.5415(c)(4)<br>[G]§60.5416(b)<br>§60.5420(a)(1)<br>§60.18(b)  |
| 71           | FUG-52130                 | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Pumps LL)   | §60.5400(a), §60.5370(b)<br>§60.5400(f), §60.5410(f),<br>§60.5420(a)(1),<br>§60.482-1a(a)-(b)<br>§60.482-2a(a)(1)-(2), (b)(1), (b)(1)(i)<br>§60.482-2a(b)(1)(ii), (b)(2), (b)(2)(ii)<br>§60.482-2a(c)(1), [G](c)(2), (d), [G](d)(1)<br>§60.482-2a(d)(2)-(3), [G](d)(6), [G](e)<br>§60.482-2a(f), [G](g), (h)<br>§60.482-9a(a)-(b), [G](d), (f)<br>§60.485a(b), (c), (c)(1), (f)<br>§60.486a(a)(1)-(2), (k) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 71           | FUG-52130                 | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (PRVs - GV/LL)   | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5401(b)(1)-(2), (b)(3)(i)-(ii)<br>§60.5401(b)(4)(i)-(ii)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.5422(b)<br>§60.482-1a(a)-(b)<br>§60.482-4a(a), (b)(1)-(2), (c)<br>§60.482-4a(d)(1)-(2)<br>§60.482-9a(a)-(b)<br>§60.485a(b), (c), (c)(1), (f)<br>§60.486a(a)(1)-(2), (k) |
| 71           | FUG-52130                 | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (OELs)           | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.482-1a(a)-(b)<br>§60.482-6a(a)(1)-(2), (b)-(e)<br>§60.485a(b), (f)<br>§60.486a(a)(1)-(2), (k)   |
| 71           | FUG-52130                 | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Valves G/V, LL) | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.482-1a(a)-(b)<br>§60.482-7a(a)(1), [G](a)(2), (b)<br>[G]§60.482-7a(c)-(h)<br>§60.485a(b), (c), (c)(1), (f)<br>§60.486a(a)(1)-(2), (k)   |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 71           | FUG-52130                 | OP-UA12                            | 600000-01         | VOC       | 40 CFR Part 60, Subpart OOOO (Connectors G/V, LL)                        | §60.5400(a)<br>§60.5370(b)<br>§60.5400(f)<br>§60.5410(f)<br>§60.5420(a)(1)<br>§60.482-9a(a)-(b)<br>§60.482-11a(b)(2)-(3), (b)(3)(i), (d)<br>[G]§60.482-11a(e), [G](f)(1), (f)(2), (g)<br>§60.485a(b)<br>§60.486a(a)(1)-(2), (k) |
| 10, 19, 45   | GRP-TK04                  | OP-UA3                             | R5111-a1          | VOC       | 30 TAC Chapter 115, Storage of VOCs                                      | § 115.111(a)(1)   |
| 10, 19, 45   | GRP-TK04                  | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7                             | §115.175(b)<br>§115.112(e)(1)   |
| 11, 35       | GRP-TK07                  | OP-UA3                             | R5111-a1          | VOC       | 30 TAC Chapter 115, Storage of VOCs                                      | § 115.111(a)(1)   |
| 12, 20       | GRP-TK03                  | OP-UA3                             | R5111-a1          | VOC       | 30 TAC Chapter 115, Storage of VOCs                                      | § 115.111(a)(1)   |
| 12, 20       | GRP-TK03                  | OP-UA3                             | R5170-1           | VOC       | 30 TAC Chapter 115, Subchapter B, Division 7                             | §115.175(b)<br>§115.112(e)(1)   |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Sampling Systems)    | § 115.357(11)   |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs w Rupture Disk) | § 115.357(2)<br>§ 115.352(9)  |

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| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs - <0.044 psia) | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(9)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)                 |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (OELs <0.044 psia)   | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9) |



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|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|--|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Valves <0.044 psia)  | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9) |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Flanges <0.044 psia) | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(1)<br>§ 115.357(12)<br>§ 115.357(8)                                   |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|--|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors <0.044 psia) | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)  |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors<0.044 psia)  | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) |

**Applicable Requirements Summary**  
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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|--|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps <0.044 psia) | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)  |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps <0.044 psia) | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(10)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (CVS - Flares)                             | § 60.632(a)<br>§ 60.18<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-10(d)<br>§ 60.482-10(m)<br>§ 60.486(k)<br>§ 60.633(g)   |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (CVS - Vapor Recovery System) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-10(b)<br>§ 60.482-10(m)<br>§ 60.486(k)   |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (CVS)                         | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>[G]§ 60.482-10(f)<br>[G]§ 60.482-10(g)<br>§ 60.482-10(h)<br>§ 60.482-10(i)<br>[G]§ 60.482-10(j)<br>[G]§ 60.482-10(k)<br>§ 60.482-10(m)<br>§ 60.486(k) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (Pumps - LL) | § 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-2(a)(2)<br>§ 60.482-2(b)(1)<br>[G]§ 60.482-2(b)(2)<br>§ 60.482-2(c)(1)<br>[G]§ 60.482-2(c)(2)<br>§ 60.482-2(d)<br>[G]§ 60.482-2(d)(1)<br>§ 60.482-2(d)(2)<br>§ 60.482-2(d)(3)<br>[G]§ 60.482-2(d)(4)<br>[G]§ 60.482-2(d)(5)<br>[G]§ 60.482-2(d)(6)<br>[G]§ 60.482-2(e)<br>§ 60.482-2(f)<br>[G]§ 60.482-2(g)<br>§ 60.482-2(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(d)<br>§ 60.482-9(f)<br>§ 60.486(k) |

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**Table 1a: Additions**

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>03557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|--|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (Compressors) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-3(a)<br>[G]§ 60.482-3(b)<br>§ 60.482-3(c)<br>§ 60.482-3(d)<br>§ 60.482-3(e)(1)<br>§ 60.482-3(e)(2)<br>§ 60.482-3(f)<br>§ 60.482-3(g)(1)<br>§ 60.482-3(g)(2)<br>§ 60.482-3(h)<br>[G]§ 60.482-3(i)<br>§ 60.482-3(j)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (PRVs G/V)    | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-4(a)<br>§ 60.482-4(b)(1)<br>§ 60.482-4(c)<br>§ 60.482-4(d)(1)<br>§ 60.482-4(d)(2)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k)<br>[G]§ 60.633(b)(3)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (OELs)       | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-6(a)(1)<br>§ 60.482-6(a)(2)<br>§ 60.482-6(b)<br>§ 60.482-6(c)<br>§ 60.482-6(d)<br>§ 60.482-6(e)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k)                              |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (Valves G/V) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-7(b)<br>§ 60.482-7(d)(1)<br>§ 60.482-7(d)(2)<br>[G]§ 60.482-7(e)<br>[G]§ 60.482-7(f)<br>[G]§ 60.482-7(g)<br>[G]§ 60.482-7(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k) |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (PRVs LL)    | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(b)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (Connectors) | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-8(a)<br>§ 60.482-8(a)(2)<br>§ 60.482-8(b)<br>§ 60.482-8(c)(1)<br>§ 60.482-8(c)(2)<br>§ 60.482-8(d)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>§ 60.486(k) |



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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | 60KKK-01          | VOC       | 40 CFR Part 60, Subpart KKK (Valves LL)                                      | § 60.632(a)<br>§ 60.482-1(a)<br>§ 60.482-1(b)<br>§ 60.482-7(b)<br>§ 60.482-7(d)(1)<br>§ 60.482-7(d)(2)<br>[G]§ 60.482-7(e)<br>[G]§ 60.482-7(f)<br>[G]§ 60.482-7(g)<br>[G]§ 60.482-7(h)<br>§ 60.482-9(a)<br>§ 60.482-9(b)<br>[G]§ 60.482-9(c)<br>§ 60.482-9(e)<br>§ 60.482-9(f)<br>§ 60.486(k) |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (PRVs > 0.044 psia)       | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B), (3)<br>§115.352(5), (7), (9)<br>§115.357(8)-(9), (12)   |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (OELs > 0.044 psia)       | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B), (3)-(7)<br>§115.357(8), (9), (12)   |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Valves > 0.044 psia)     | §115.352(1)(A)<br>§115.352(1), (2), (2)(A)-(B)<br>§115.352(3)-(7)<br>§115.357(8), (9), (12)   |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Connectors > 0.044 psia) | §115.352(1)(A)<br>§115.352(1), (2), (2)(A), (3)<br>§115.352(5), (7)-(8)<br>§115.357(8), (12)  |

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|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|---|---|
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Compressors > 0.044 psia) | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3), (5), (7)<br>§115.357(8), (12) |
| 37, 55       | GRP-FUG02                 | OP-UA12                            | R5357-01          | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals (Pumps > 0.044 psia)       | §115.352(1)(B)<br>§115.352(1), (2), (2)(A), (2)(C)<br>§115.352(2)(C)(i)-(iii), (3), (5), (7)<br>§115.357(8), (12) |
| 4, 14, 39    | GRP-HR03                  | OP-UA5                             | R7310-04          | CO        | 30 TAC Chapter 117, Subchapter B  | § 117.310(c)(1)<br>§ 117.310(c)(1)(A)<br>§ 117.310(c)(3)<br>§ 117.340(f)(1)                                       |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)  |
|--------------|---------------------------|------------------------------------|-------------------|--------------|--|--|
| 4, 14, 39    | GRP-HR03                  | OP-UA5                             | R7310-04          | NOx          | 30 TAC Chapter 117, Subchapter B       | § 117.340(f)(1)<br>§ 117.340(l)(2)<br>§ 117.340(p)(1)<br>§ 117.310(d)(3)<br>§ 117.310(a)<br>§ 117.310(a)(8)(A)(i)<br>§ 117.310(b)<br>[G]§ 117.310(e)(1)<br>§ 117.310(e)(2)<br>[G]§ 117.310(e)(3)<br>§ 117.310(e)(4)<br>§ 117.340(p)(3) |
| 4, 14, 39    | GRP-HR03                  | OP-UA6                             | 60Db-03           | SO2          | 40 CFR Part 60, Subpart Db             | § 60.42b(k)(2)   |
| 4, 14, 39    | GRP-HR03                  | OP-UA6                             | 60Db-03           | PM           | 40 CFR Part 60, Subpart Db             | § 60.40b(a)  |
| 4, 14, 39    | GRP-HR03                  | OP-UA6                             | 60Db-03           | PM (Opacity) | 40 CFR Part 60, Subpart Db             | § 60.40b(a)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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)   |
|--------------|---------------------------|------------------------------------|-------------------|-----------|--|---|
| 4, 14, 39    | GRP-HR03                  | OP-UA6                             | 60Db-03           | NOx       | 40 CFR Part 60, Subpart Db             | § 60.44b(l)(2)<br>§ 60.44b(h)<br>§ 60.44b(i)<br>§ 60.46b(a)                                       |
| 4, 14, 39    | GRP-HR03                  | OP-UA5                             | 63DDDDD -01       | HAPs      | 40 CFR Part 63, Subpart DDDDD          | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)§63.7540(a), [G](a)(10), (a)(13) |
| 5, 15, 40    | GRP-HR02                  | OP-UA5                             | R7310-02          | CO        | 30 TAC Chapter 117, Subchapter B       | § 117.310(c)(1)<br>§ 117.310(c)(1)(B)<br>§ 117.310(c)(3)  |

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|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| 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, 15, 40    | GRP-HR02                  | OP-UA5                             | R7310-02          | NOx          | 30 TAC Chapter 117, Subchapter B       | § 117.310(d)(3)<br>§ 117.310(a)<br>§ 117.310(a)(8)(A)(ii)<br>§ 117.310(b)<br>[G]§ 117.310(e)(1)<br>§ 117.310(e)(2)<br>[G]§ 117.310(e)(3)<br>§ 117.310(e)(4)<br>§ 117.340(l)(2)<br>§ 117.340(p)(1)<br>§ 117.340(p)(2)(C)<br>§ 117.340(p)(3) |
| 5, 15, 40    | GRP-HR02                  | OP-UA6                             | 60Dc-07           | SO2          | 40 CFR Part 60, Subpart Dc             | § 60.40c(a)  |
| 5, 15, 40    | GRP-HR02                  | OP-UA6                             | 60Dc-07           | PM           | 40 CFR Part 60, Subpart Dc             | § 60.40c(a)  |
| 5, 15, 40    | GRP-HR02                  | OP-UA6                             | 60Dc-07           | PM (Opacity) | 40 CFR Part 60, Subpart Dc             | § 60.40c(a)  |
| 5, 15, 40    | GRP-HR02                  | OP-UA5                             | 63DDDDD-01        | HAPs         | 40 CFR Part 63, Subpart DDDDD          | §63.7500(a)(1)-Table 3.3<br>§63.7500(a)(1), (a)(3)<br>§63.7505(a)§63.7540(a), [G](a)(10),<br>(a)(13)   |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| <b>Revision No.</b> | <b>Unit/Group/Process ID No.</b> | <b>Unit/Group/Process Applicable Form</b> | <b>SOP/GOP Index No.</b> | <b>Pollutant</b> | <b>Applicable Regulatory Requirement Name</b> | <b>Applicable Regulatory Requirement Standard(s)</b> |
|---------------------|----------------------------------|---|--------------------------|------------------|---|--|
| 9, 18, 27, 44, 48   | GRP-TK02                         | OP-UA3                                    | R5111-a1                 | VOC              | 30 TAC Chapter 115, Storage of VOCs           | § 115.111(a)(1)                                      |
| 9, 18, 27, 44, 48   | GRP-TK02                         | OP-UA3                                    | R5170-1                  | VOC              | 30 TAC Chapter 115, Subchapter B, Division 7  | §115.175(b)<br>§115.112(e)(1)                        |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|---|------------------------|
| 8            | 126SK25001                | R1111-01          | Opacity   | § 111.111(a)(4)(A)(i)<br>§ 111.111(a)(4)(A)(ii)   | § 111.111(a)(4)(A)(ii)  | None                   |
| 8            | 126SK25001                | 60A-01            | Opacity   | § 60.18(d)<br>§ 60.18(f)(1)<br>§ 60.18(f)(2)<br>§ 60.18(f)(3)<br>§ 60.18(f)(6)  | None  | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)   | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)   | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)        |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|---|------------------------|
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)        |
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)        |



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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|---|------------------------|
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(11)<br>§ 115.354(3)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                       | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|--|------------------------|
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 13           | FUG-02126                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355   | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-10(e)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>[G]§ 60.485(g)<br>§ 60.632(d) | [G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)   | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-10(e)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)                   | [G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)   | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)   | [G]§ 60.482-10(l)<br>[G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)  | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-2(a)(1)<br>[G]§ 60.482-2(b)(2)<br>[G]§ 60.482-2(d)(4)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>[G]§ 60.485(e)<br>§ 60.485(f)<br>§ 60.632(d)<br>[G]§ 60.633(h) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(f)<br>[G]§ 60.486(h)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)   | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(h)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)   |
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-4(b)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)<br>§ 60.633(b)(1)<br>§ 60.633(b)(2)<br>[G]§ 60.633(b)(3)<br>[G]§ 60.633(b)(4) | [G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(e)(3)<br>[G]§ 60.486(e)(4)<br>§ 60.486(j)<br>§ 60.633(b)(1)<br>[G]§ 60.633(b)(4)<br>[G]§ 60.635(b) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)<br>§ 60.636(a)<br>§ 60.636(b)<br>[G]§ 60.636(c) |

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**Table 1b: Additions**

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)   | [G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)   | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-7(a)(1)<br>[G]§ 60.482-7(a)(2)<br>§ 60.482-7(c)(1)(i)<br>§ 60.482-7(c)(1)(ii)<br>§ 60.482-7(c)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(f)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>[G]§ 60.485(e)<br>§ 60.485(f)<br>§ 60.632(d)<br>[G]§ 60.633(h) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)                                     | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------|---|--|---|
| 13           | FUG-02126                 | 60KKK-01          | VOC       | § 60.482-7(a)(1)<br>[G]§ 60.482-7(a)(2)<br>§ 60.482-7(c)(1)(i)<br>§ 60.482-7(c)(1)(ii)<br>§ 60.482-7(c)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>[G]§ 60.485(e)<br>§ 60.485(f)<br>§ 60.632(d)<br>[G]§ 60.633(h) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(f)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)  |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | § 61.242-2(a)(1)<br>[G]§ 61.242-2(d)<br>§ 61.242-2(f)<br>§ 61.242-2(h)<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)  | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(h)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |



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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements   | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------|--|--|---|
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.242-3<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)                      | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(h)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | § 61.242-4(b)(2)<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)<br>§ 63.769(c)(1) | [G]§ 61.246(a)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2)   | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.245(d)   | [G]§ 61.246(a)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2)   | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|--|--|--|
| 13           | FUG-02126                 | 63HH-01           | HAPS      | § 61.242-7(a)<br>[G]§ 61.242-7(c)<br>[G]§ 61.242-7(g)<br>[G]§ 61.242-7(h)<br>[G]§ 61.243-1<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d) | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(f)<br>[G]§ 61.246(g)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>§ 61.247(d)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.242-8<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)  | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2)                                     | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv)                |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.242-8<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d)  | [G]§ 61.246(a)<br>[G]§ 61.246(b)<br>[G]§ 61.246(c)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2)                                     | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv)                |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements                                     | Recordkeeping Requirements  | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------|---|---|---|
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.245(d)  | [G]§ 61.246(a)<br>[G]§ 61.246(d)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2)                      | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.245(d)<br>[G]§ 61.245(e)  | [G]§ 61.246(a)<br>[G]§ 61.246(d)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2)                      | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |
| 13           | FUG-02126                 | 63HH-01           | HAPS      | [G]§ 61.242-11(f)<br>[G]§ 61.245(b)<br>[G]§ 61.245(c)<br>[G]§ 61.245(d) | [G]§ 61.242-11(l)<br>[G]§ 61.246(a)<br>[G]§ 61.246(d)<br>[G]§ 61.246(e)<br>[G]§ 61.246(i)<br>§ 61.246(j)<br>[G]§ 63.774(b)(1)<br>§ 63.774(b)(2) | [G]§ 61.247(a)<br>[G]§ 61.247(b)<br>§ 61.247(c)<br>[G]§ 61.247(e)<br>§ 63.764(b)<br>§ 63.775(d)<br>[G]§ 63.775(d)(3)<br>§ 63.775(e)<br>§ 63.775(e)(1)<br>§ 63.775(e)(2)(iv) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements                                 | Recordkeeping Requirements   | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|--|------------------------|
| 13           | FUG-02126                 | R5357-01          | VOC       | §115.354(1)-(2), (4)-(6)<br>[G]§115.354(7), (9)-(10)<br>[G]§115.355 | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2), (3)<br>§115.356(3)(A), (3)(B), [G](3)(C), (5)           | [G]§115.354(7)         |
| 13           | FUG-02126                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), [G](7), (9)-(10)<br>[G]§115.355           | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1)-(2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)                   | [G]§115.354(7)         |
| 13           | FUG-02126                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6)<br>[G]§115.354(7), (9)-(10)<br>[G]§115.355 | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)               | [G]§115.354(7)         |
| 13           | FUG-02126                 | R5357-01          | VOC       | §115.354(1), (3), (5)-(6), (9)-(11)<br>[G]§115.355                  | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1)-(2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)                   | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), (9)-(10)<br>[G]§115.355                   | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2)<br>§115.356(3), (3)(A), (3)(B)<br>[G]§115.356(3)(C), (5) | None                   |
| 13           | FUG-02126                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), (9), (10)<br>[G]§115.355                  | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2)<br>§115.356(3), (3)(A), (3)(B)<br>[G]§115.356(3)(C), (5) | None                   |
| 21           | 128GE14001                | R7303-01          | Exempt    | None  | § 117.340(j)<br>[G]§ 117.345(f)(10)<br>[G]§ 117.345(f)(6)  | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant    | Monitoring and Testing Requirements | Recordkeeping Requirements | Reporting Requirements |
|--------------|---------------------------|-------------------|--------------|-------------------------------------|----------------------------|------------------------|
| 21           | 128GE14001                | 60III-01          | CO           | None                                | None                       | None                   |
| 21           | 128GE14001                | 60III-01          | NMHC and NOX | None                                | None                       | None                   |
| 21           | 128GE14001                | 60III-01          | PM (Opacity) | None                                | None                       | None                   |
| 21           | 128GE14001                | 60III-01          | PM           | None                                | None                       | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant    | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|--------------|---|---|------------------------|
| 21           | 128GE14001                | 63ZZZZ-04         | HAPS         | None  | None  | None                   |
| 36           | 128SV20008                | R5111-a1          | VOC          | [G]§ 115.117  | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7) | None                   |
| 36           | 128SV20008                | 60-Kb02           | VOC          | § 60.116b(a)<br>§ 60.116b(b)<br>§ 60.116b(c)<br>§ 60.116b(d)<br>§ 60.116b(e)<br>§ 60.116b(e)(1)<br>[G]§ 60.116b(e)(3) | § 60.116b(a)<br>§ 60.116b(b)<br>§ 60.116b(c)                                | § 60.116b(d)           |
| 38           | 129GE14001                | R7303-01          | Exempt       | None  | § 117.340(j)<br>[G]§ 117.345(f)(10)<br>[G]§ 117.345(f)(6)                   | None                   |
| 38           | 129GE14001                | 60III-04          | CO           | None  | None  | None                   |
| 38           | 129GE14001                | 60III-04          | NMHC and NOX | None  | None  | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant    | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|--------------|---|---|------------------------|
| 38           | 129GE14001                | 60III-04          | PM (Opacity) | None  | None  | None                   |
| 38           | 129GE14001                | 60III-04          | PM           | None  | None  | None                   |
| 38           | 129GE14001                | 63ZZZ-05          | HAPS         | None  | None  | None                   |
| 46           | 129SV19006                | R5111-a1          | VOC          | [G]§ 115.117  | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)                       | None                   |
| 47           | 129SV19008                | R5111-a1          | VOC          | [G]§ 115.117  | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7) | None                   |
| 47           | 129SV19008                | 60Kb-02           | VOC          | § 60.116b(a)<br>§ 60.116b(b)<br>§ 60.116b(c)<br>§ 60.116b(d)<br>§ 60.116b(e)<br>§ 60.116b(e)(1)<br>[G]§ 60.116b(e)(3) | § 60.116b(a)<br>§ 60.116b(b)<br>§ 60.116b(c)                                | § 60.116b(d)           |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|--|--|--|
| 56           | HR15.001A                 | 63DDDDD -01       | HAPs      | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c)<br>§63.7510(g)  | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c)  | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)   |
| 57           | HR15.001B                 | 63DDDDD -01       | HAPs      | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c)<br>§63.7510(g)  | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c)  | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)   |
| 58           | HR15.002A                 | 63DDDDD -01       | HAPs      | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c)<br>§63.7510(g)  | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c)  | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)   |
| 59           | HR15.002B                 | 63DDDDD -01       | HAPs      | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c)<br>§63.7510(g)  | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c)  | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)   |
| 60           | GRP-EF-FUG                | 60OOOO-01         | VOC       | [G]§60.5401(f), (g)<br>§60.482-1a(f)(1)-(2), [G](f)(3)<br>§60.482-2a(b)(2)(i), [G](d)(4),<br>[G](d)(5)<br>§60.482-9a(a)<br>§60.485a(a), [G](b)(1), (b)(2), (c)(2)<br>§60.485a(d), (d)(2)-(3), [G](e) | §60.5420(c)<br>§60.485a(b)(2)<br>[G]§60.486a(a)(3), [G](b)-(c), (e),<br>(e)(1)<br>[G]§60.486a(e)(2), [G](e)(4), (e)(7)<br>[G]§60.486a(e)(8), (f), (f)(1), [G](h) | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1), (b)(3), (c)<br>§60.487a(c)(1), (c)(2), (c)(2)(iii)<br>§60.487a(c)(2)(iv), (c)(2)(xi), (c)(3)-(4)<br>§60.487a(e) |



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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------|---|--|---|
| 60           | GRP-EF-FUG                | 600000-01         | VOC       | §60.5401(b)(1), (g)<br>§60.482-4a(b)(2)<br>§60.482-9a(a)<br>§60.485a(a), [G](b)(1), (b)(2), (c)(2)<br>§60.485a(d), (d)(2), (d)(3)       | §60.5420(c)<br>[G]§60.5421(b)<br>§60.485a(b)(2)<br>§60.486a(e), (e)(1), (e)(3), [G](e)(4)<br>[G]§60.486a(e)(8), [G](e)(10)                           | §60.5420(a), (a)(1)<br>§60.5422(b), [G](c)<br>§60.487a(a), (b), (b)(1), (c), (c)(1)<br>§60.487a(c)(2), (c)(2)(xi), (c)(3)-(4)<br>§60.487a(e)    |
| 60           | GRP-EF-FUG                | 600000-01         | VOC       | §60.5401(g)<br>§60.485a(a), [G](b)(1), (b)(2)<br>§60.485a(d), (d)(2), (d)(3)  | §60.5420(c)<br>§60.485a(b)(2)<br>§60.486a(e), (e)(1), [G](e)(8)  | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1), (c), (c)(1)<br>§60.487a(c)(2), (c)(2)(xi), (c)(3)-(4)<br>§60.487a(e)                           |
| 60           | GRP-EF-FUG                | 600000-01         | VOC       | [G]§60.5401(f), (g)<br>§60.482-1a(f)(1)-(2), [G](f)(3)<br>§60.485a(a), [G](b)(1), (b)(2), (c)(2)<br>§60.485a(d), (d)(2), (d)(3), [G](e) | §60.5420(c)<br>§60.485a(b)(2)<br>[G]§60.486a(a)(3), [G](b)-(c)<br>§60.486a(e), (e)(1), [G](e)(2),<br>[G](e)(4)<br>[G]§60.486a(e)(8), (f), (f)(1)-(2) | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1)-(2), (c),<br>(c)(1)<br>§60.487a(c)(2), (c)(2)(i)-(ii),<br>(c)(2)(xi)<br>§60.487a(c)(3)-(4), (e) |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements  | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------|--|---|---|
| 60           | GRP-EF-FUG                | 600000-01         | VOC       | [G]§60.5401(f), (g)<br>§60.482-9a(a)<br>§60.482-11a(a)-(b), (b)(1), (b)(3)<br>§60.482-11a(b)(3)(ii), [G](b)(3)(iii)<br>§60.482-11a(b)(3)(iv), (c)<br>§60.485a(a), [G](b)(1), (b)(2)<br>§60.485a(d), (d)(2)-(3), [G](e) | §60.5420(c)<br>§60.482-11a(b)(3)(v)<br>§60.485a(b)(2)<br>[G]§60.486a(a)(3), [G](b)-(c)<br>§60.486a(e), (e)(1), [G](e)(8), (e)(9)<br>§60.486a(f), (f)(1) | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1), (b)(5), (c)<br>§60.487a(c)(1)-(2), (c)(2)(vii)-(viii)<br>§60.487a(c)(2)(xi), (c)(3)-(4), (e) |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(6)<br>§115.177(b), (b)(3), (b)(3)(D)<br>§115.177(b)(3)(D)(ii)-(iii)<br>§115.177(b)(3)(F), (b)(4), (b)(6)<br>§115.177(b)(8)-(9), (c), (c)(1)-(3)  | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8)  | None  |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(5)-(6)<br>§115.177(b), (b)(3), (b)(3)(C)<br>§115.177(b)(3)(C)(i)-(ii)<br>§115.177(b)(4), (b)(6), (b)(8)<br>§115.177(c), (c)(1)-(3)   | [G]§115.177(a)<br>§115.180, [G](7)-(8)  | None  |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(6)<br>§115.177(b), (b)(3), (b)(3)(D)<br>§115.177(b)(3)(D)(iii)<br>§115.177(b)(4), (b)(6)-(7)<br>§115.177(b)(7)(A)-(B)<br>§115.177(b)(8)-(9), (c), (c)(1)-(3)   | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8)  | §115.177(b)(7)  |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(6)<br>§115.177(b), (b)(3), (b)(3)(D)<br>§115.177(b)(3)(D)(iii)<br>§115.177(b)(4), (b)(6), (b)(8)-(9)<br>§115.177(c), (c)(1)-(4)  | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8)  | None  |

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

|               |  |                       |                                      |             |              |
|---------------|--|-----------------------|--------------------------------------|-------------|--------------|
| Date:         | <b>August 9, 2024</b>                    | Regulated Entity No.: | <b>102323268</b>                     | Permit No.: | <b>O3557</b> |
| Company Name: | <b>Enterprise Products Operating LLC</b> | Area Name:            | <b>Eagleford Fractionation Units</b> |             |              |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements                     | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|--|--|------------------------|
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(6)<br>§115.177(b), (b)(3), (b)(3)(A)<br>§115.177(b)(4), (b)(6)<br>§115.177(b)(8)-(10), (c), (c)(1)-(3)   | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8) | None                   |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(6)<br>§115.177(b), (b)(3), (b)(3)(D)<br>§115.177(b)(3)(D)(i), (b)(3)(D)(iii)<br>§115.177(b)(3)(E), (b)(4), (b)(6)<br>§115.177(b)(8)-(9), (c), (c)(1)-(3)<br>§115.177(c)(5) | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8) | None                   |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(6)<br>§115.177(b), (b)(3), (b)(3)(D)<br>§115.177(b)(3)(D)(iii), (b)(4),<br>(b)(6)<br>§115.177(b)(8)-(9), (c), (c)(1)-(3)   | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8) | None                   |
| 60           | GRP-EF-FUG                | R5170-1           | VOC       | §115.172(a)(5)-(6)<br>§115.177(b), (b)(3), (b)(3)(D)<br>§115.177(b)(3)(D)(iii), (b)(4),<br>(b)(6)<br>§115.177(b)(8)-(9), (c), (c)(1)-(3)   | [G]§115.177(a), (b)(9)<br>§115.180, [G](7)-(8) | None                   |
| 61           | SV19.002A                 | R5170-1           | VOC       | None   | [G]§115.180(8)                                 | None                   |
| 62           | SV19.002B                 | R5170-1           | VOC       | None   | [G]§115.180(8)                                 | None                   |
| 63           | SV19.003A                 | R5170-1           | VOC       | None   | [G]§115.180(8)                                 | None                   |
| 64           | SV19.003B                 | R5170-1           | VOC       | None   | [G]§115.180(8)                                 | None                   |
| 65           | SV19.006A                 | R5170-1           | VOC       | None   | [G]§115.180(8)                                 | None                   |
| 66           | SV19.006B                 | R5170-1           | VOC       | None   | [G]§115.180(8)                                 | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements                                 | Recordkeeping Requirements   | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|--|------------------------|
| 71           | FUG-52130                 | R5357-01          | VOC       | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)  | None                   |
| 71           | FUG-52130                 | R5357-01          | VOC       | None  | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)  | None                   |
| 71           | FUG-52130                 | R5357-01          | VOC       | §115.354(1)-(2), (4)-(6)<br>[G]§115.354(7), (9)-(10)<br>[G]§115.355 | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2), (3)<br>§115.356(3)(A), (3)(B), [G](3)(C), (5)           | [G]§115.354(7)         |
| 71           | FUG-52130                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), [G](7), (9)-(10)<br>[G]§115.355           | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1)-(2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)                   | [G]§115.354(7)         |
| 71           | FUG-52130                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6)<br>[G]§115.354(7), (9)-(10)<br>[G]§115.355 | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)               | [G]§115.354(7)         |
| 71           | FUG-52130                 | R5357-01          | VOC       | §115.354(1), (3), (5)-(6), (9)-(11)<br>[G]§115.355                  | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1)-(2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)                   | None                   |
| 71           | FUG-52130                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), (9)-(10)<br>[G]§115.355                   | §115.352(7)<br>§115.354(10)§<br>115.356, [G](1), [G](2)<br>§115.356(3), (3)(A), (3)(B)<br>[G]§115.356(3)(C), (5) | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|---|--|
| 71           | FUG-52130                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), (9), (10)<br>[G]§115.355  | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2)<br>§115.356(3), (3)(A), (3)(B)<br>[G]§115.356(3)(C), (5)  | None   |
| 71           | FUG-52130                 | R5357-01          | VOC       | [G]§115.355   | §115.352(7)<br>§115.356, [G](1)-(2), (3), [G](3)(C), (5)  | None   |
| 71           | FUG-52130                 | R5357-01          | VOC       | [G]§115.355   | §115.352(7)<br>§115.356, [G](1), [G](2), (3)<br>[G]§115.356(3)(C), (5)  | None   |
| 71           | FUG-52130                 | 600000-01         | VOC       | [G]§60.5416(a)(1)-(3), [G](b)   | §60.5420(c), [G](c)(3), (c)(6)-(7), (c)(9)  | §60.5420(b), [G](b)(1), [G](b)(4), (b)(7)(i)   |
| 71           | FUG-52130                 | 600000-01         | VOC       | [G]§60.5401(f), (g)<br>§60.482-1a(f)(1)-(2), [G](f)(3)<br>§60.482-2a(b)(2)(i), [G](d)(4), [G](d)(5)<br>§60.482-9a(a)<br>§60.485a(a), [G](b)(1), (b)(2), (c)(2)<br>§60.485a(d), (d)(2)-(3), [G](e) | §60.5420(c)<br>§60.485a(b)(2)<br>[G]§60.486a(a)(3), [G](b)-(c), (e), (e)(1)<br>[G]§60.486a(e)(2), [G](e)(4), (e)(7)<br>[G]§60.486a(e)(8), (f), (f)(1), [G](h) | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1), (b)(3), (c)<br>§60.487a(c)(1), (c)(2), (c)(2)(iii)<br>§60.487a(c)(2)(iv), (c)(2)(xi), (c)(3)-(4)<br>§60.487a(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|---|--|
| 71           | FUG-52130                 | 600000-01         | VOC       | §60.5401(b)(1), (g)<br>§60.482-4a(b)(2)<br>§60.482-9a(a)<br>§60.485a(a), [G](b)(1), (b)(2), (c)(2)<br>§60.485a(d), (d)(2), (d)(3)       | §60.5420(c)<br>[G]§60.5421(b)<br>§60.485a(b)(2)<br>§60.486a(e), (e)(1), (e)(3), [G](e)(4)<br>[G]§60.486a(e)(8), [G](e)(10)                        | §60.5420(a), (a)(1)<br>§60.5422(b), [G](c)<br>§60.487a(a), (b), (b)(1), (c), (c)(1)<br>§60.487a(c)(2), (c)(2)(xi), (c)(3)-(4)<br>§60.487a(e) |
| 71           | FUG-52130                 | 600000-01         | VOC       | §60.5401(g)<br>§60.485a(a), [G](b)(1), (b)(2)<br>§60.485a(d), (d)(2), (d)(3)  | §60.5420(c)<br>§60.485a(b)(2)<br>§60.486a(e), (e)(1), [G](e)(8)   | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1), (c), (c)(1)<br>§60.487a(c)(2), (c)(2)(xi), (c)(3)-(4)<br>§60.487a(e)                        |
| 71           | FUG-52130                 | 600000-01         | VOC       | [G]§60.5401(f), (g)<br>§60.482-1a(f)(1)-(2), [G](f)(3)<br>§60.485a(a), [G](b)(1), (b)(2), (c)(2)<br>§60.485a(d), (d)(2), (d)(3), [G](e) | §60.5420(c)<br>§60.485a(b)(2)<br>[G]§60.486a(a)(3), [G](b)-(c)<br>§60.486a(e), (e)(1), [G](e)(2), [G](e)(4)<br>[G]§60.486a(e)(8), (f), (f)(1)-(2) | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1)-(2), (c), (c)(1)<br>§60.487a(c)(2), (c)(2)(i)-(ii), (c)(2)(xi)<br>§60.487a(c)(3)-(4), (c)    |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements  | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------|--|---|---|
| 71           | FUG-52130                 | 600000-01         | VOC       | [G]§60.5401(f), (g)<br>§60.482-9a(a)<br>§60.482-11a(a)-(b), (b)(1), (b)(3)<br>§60.482-11a(b)(3)(ii), [G](b)(3)(iii)<br>§60.482-11a(b)(3)(iv), (c)<br>§60.485a(a), [G](b)(1), (b)(2)<br>§60.485a(d), (d)(2)-(3), [G](e) | §60.5420(c)<br>§60.482-11a(b)(3)(v)<br>§60.485a(b)(2)<br>[G]§60.486a(a)(3), [G](b)-(c)<br>§60.486a(e), (e)(1), [G](e)(8), (e)(9)<br>§60.486a(f), (f)(1) | §60.5420(a), (a)(1)<br>§60.487a(a), (b), (b)(1), (b)(5), (c)<br>§60.487a(c)(1)-(2), (c)(2)(vii)-(viii)<br>§60.487a(c)(2)(xi), (c)(3)-(4), (e) |
| 10, 19, 45   | GRP-TK04                  | R5111-a1          | VOC       | [G]§ 115.117   | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7)   | None  |
| 10, 19, 45   | GRP-TK04                  | R5170-1           | VOC       | None   | [G]§115.180(8)  | None  |
| 11, 35       | GRP-TK07                  | R5111-a1          | VOC       | [G]§ 115.117   | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)   | None  |
| 12, 20       | GRP-TK03                  | R5111-a1          | VOC       | [G]§ 115.117   | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)   | None  |
| 12, 20       | GRP-TK03                  | R5170-1           | VOC       | None   | [G]§115.180(8)  | None  |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | None   | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)   | None  |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | None   | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)   | None  |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|---|------------------------|
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)        |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                 | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)        |



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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|---|------------------------|
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                       | [G]§ 115.354(7)        |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(11)<br>§ 115.354(3)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)   | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements |
|--------------|---------------------------|-------------------|-----------|---|--|------------------------|
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | None                   |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)  | None   |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355   | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None   |
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-10(e)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>[G]§ 60.485(g)<br>§ 60.632(d) | [G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)   | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements  | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|---|--|
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-10(c)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d) | [G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)                      | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)                                     | [G]§ 60.482-10(l)<br>[G]§ 60.486(a)<br>[G]§ 60.486(d)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-2(a)(1)<br>[G]§ 60.482-2(b)(2)<br>[G]§ 60.482-2(d)(4)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>[G]§ 60.485(e)<br>§ 60.485(f)<br>§ 60.632(d)<br>[G]§ 60.633(h) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(f)<br>[G]§ 60.486(h)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)   | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(h)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)   |
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-4(b)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)<br>§ 60.633(b)(1)<br>§ 60.633(b)(2)<br>[G]§ 60.633(b)(3)<br>[G]§ 60.633(b)(4) | [G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(e)(3)<br>[G]§ 60.486(e)(4)<br>§ 60.486(j)<br>§ 60.633(b)(1)<br>[G]§ 60.633(b)(4)<br>[G]§ 60.635(b) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e)<br>§ 60.636(a)<br>§ 60.636(b)<br>[G]§ 60.636(c) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)   | [G]§ 60.486(a)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j)   | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-7(a)(1)<br>[G]§ 60.482-7(a)(2)<br>§ 60.482-7(c)(1)(i)<br>§ 60.482-7(c)(1)(ii)<br>§ 60.482-7(c)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(f)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>[G]§ 60.485(e)<br>§ 60.485(f)<br>§ 60.632(d)<br>[G]§ 60.633(h) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-8(a)(1)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>§ 60.485(f)<br>§ 60.632(d)                                     | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |



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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|---|--|--|
| 37, 55       | GRP-FUG02                 | 60KKK-01          | VOC       | § 60.482-7(a)(1)<br>[G]§ 60.482-7(a)(2)<br>§ 60.482-7(c)(1)(i)<br>§ 60.482-7(c)(1)(ii)<br>§ 60.482-7(c)(2)<br>§ 60.485(a)<br>[G]§ 60.485(b)<br>[G]§ 60.485(c)<br>§ 60.485(d)(2)<br>§ 60.485(d)(3)<br>[G]§ 60.485(e)<br>§ 60.485(f)<br>§ 60.632(d)<br>[G]§ 60.633(h) | [G]§ 60.486(a)<br>[G]§ 60.486(b)<br>[G]§ 60.486(c)<br>§ 60.486(e)<br>§ 60.486(e)(1)<br>[G]§ 60.486(e)(2)<br>[G]§ 60.486(e)(4)<br>[G]§ 60.486(f)<br>§ 60.486(j) | § 60.487(a)<br>[G]§ 60.487(b)<br>[G]§ 60.487(c)<br>§ 60.487(e) |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | §115.354(1)-(2), (4)-(6)<br>[G]§115.354(7), (9)-(10)<br>[G]§115.355   | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2), (3)<br>§115.356(3)(A), (3)(B), [G](3)(C), (5)   | [G]§115.354(7)   |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), [G](7), (9)-(10)<br>[G]§115.355   | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1)-(2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)   | [G]§115.354(7)   |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6)<br>[G]§115.354(7), (9)-(10)<br>[G]§115.355   | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2), (3), (3)(A)-(B)<br>(B)<br>[G]§115.356(3)(C), (5)  | [G]§115.354(7)   |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | §115.354(1), (3), (5)-(6), (9)-(11)<br>[G]§115.355  | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1)-(2), (3), (3)(A)-(B)<br>[G]§115.356(3)(C), (5)   | None   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements  | Recordkeeping Requirements  | Reporting Requirements   |
|--------------|---------------------------|-------------------|-----------|--|---|--|
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), (9)-(10)<br>[G]§115.355  | §115.352(7)<br>§115.354(10)§<br>115.356, [G](1), [G](2)<br>§115.356(3), (3)(A), (3)(B)<br>[G]§115.356(3)(C), (5)                                      | None   |
| 37, 55       | GRP-FUG02                 | R5357-01          | VOC       | §115.354(1)-(2), (5)-(6), (9), (10)<br>[G]§115.355   | §115.352(7)<br>§115.354(10)<br>§115.356, [G](1), [G](2)<br>§115.356(3), (3)(A), (3)(B)<br>[G]§115.356(3)(C), (5)                                      | None   |
| 4, 14, 39    | GRP-HR03                  | R7310-04          | CO        | § 117.335(a)(4), § 117.335(b)<br>§ 117.335(c), § 117.335(d)<br>§ 117.335(f), § 117.335(f)(3)<br>§ 117.335(g), § 117.340(a)<br>§ 117.340(e), [G]§ 117.340(f)(2)<br>§ 117.8100(a),<br>§ 117.8100(a)(1)<br>§ 117.8100(a)(1)(A)<br>§ 117.8100(a)(1)(B)<br>§ 117.8100(a)(1)(B)(ii)<br>§ 117.8100(a)(1)(B)(iii)<br>§ 117.8100(a)(1)(C)<br>§ 117.8100(a)(2)<br>[G]§ 117.8100(a)(3)<br>§ 117.8100(a)(4)<br>§ 117.8100(a)(5)<br>§ 117.8100(a)(5)(A)<br>§ 117.8100(a)(5)(B)<br>[G]§ 117.8100(a)(5)(D)<br>[G]§ 117.8100(a)(5)(E)<br>§ 117.8100(a)(6)<br>§ 117.8120, § 117.8120(1)<br>§ 117.8120(1)(A) | § 117.345(a)<br>§ 117.345(f)<br>§ 117.345(f)(1)<br>[G]§ 117.345(f)(2)<br>§ 117.345(f)(7)<br>§ 117.345(f)(8)<br>§ 117.345(f)(9)<br>§ 117.8100(a)(5)(C) | § 117.335(b)<br>§ 117.335(g)<br>[G]§ 117.345(b)<br>[G]§ 117.345(c)<br>§ 117.345(d)<br>§ 117.345(d)(2)<br>§ 117.345(d)(3)<br>§ 117.345(d)(4)<br>§ 117.345(d)(5)<br>§ 117.8010<br>[G]§ 117.8010(1)<br>§ 117.8010(2)<br>§ 117.8010(2)(A)<br>§ 117.8010(2)(B)<br>[G]§ 117.8010(3)<br>§ 117.8010(4)<br>[G]§ 117.8010(5)<br>§ 117.8010(6)<br>[G]§ 117.8010(7)<br>[G]§ 117.8010(8)<br>§ 117.8100(c) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant    | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements  |
|--------------|---------------------------|-------------------|--------------|---|--|---|
| 4, 14, 39    | GRP-HR03                  | R7310-04          | NOx          | [G]§ 117.335(a)(1)<br>§ 117.335(a)(4),<br>§ 117.335(b), § 117.335(c)<br>§ 117.335(d), § 117.335(f)<br>§ 117.335(f)(2)<br>§ 117.335(g), § 117.340(a)<br>§ 117.340(c)(1)<br>[G]§ 117.340(c)(3)<br>[G]§ 117.340(f)(2)<br>§ 117.340(l)(2), § 117.340(o)(1)<br>§ 117.340(p)(1), § 117.8100(a)<br>§ 117.8100(a)(1)<br>§ 117.8100(a)(1)(A)<br>§ 117.8100(a)(1)(B)<br>§ 117.8100(a)(1)(B)(i)<br>§ 117.8100(a)(1)(B)(ii)<br>§ 117.8100(a)(1)(C)<br>§ 117.8100(a)(2)<br>[G]§ 117.8100(a)(3)<br>§ 117.8100(a)(4)<br>§ 117.8100(a)(5)<br>§ 117.8100(a)(5)(A)<br>§ 117.8100(a)(5)(B)<br>[G]§ 117.8100(a)(5)(D)<br>[G]§ 117.8100(a)(5)(E) | § 117.345(a)<br>§ 117.345(f)<br>§ 117.345(f)(1)<br>[G]§ 117.345(f)(2)<br>§ 117.345(f)(8)<br>§ 117.345(f)(9)<br>§ 117.8100(a)(5)(C) | § 117.335(b)<br>§ 117.335(g)<br>[G]§ 117.345(b)<br>[G]§ 117.345(c)<br>§ 117.345(d)<br>§ 117.345(d)(3)<br>§ 117.8010<br>[G]§ 117.8010(1)<br>§ 117.8010(2)<br>§ 117.8010(2)(A)<br>§ 117.8010(2)(B)<br>§ 117.8010(2)(C)<br>§ 117.8010(2)(D)<br>[G]§ 117.8010(3)<br>§ 117.8010(4)<br>[G]§ 117.8010(5)<br>§ 117.8010(6)<br>[G]§ 117.8010(7)<br>[G]§ 117.8010(8)<br>§ 117.8100(c) |
| 4, 14, 39    | GRP-HR03                  | 60Db-03           | SO2          | § 60.47b(f)   | § 60.45b(k)<br>§ 60.49b(o)<br>§ 60.49b(r)<br>§ 60.49b(r)(1)  | § 60.49b(a)<br>§ 60.49b(a)(1)<br>§ 60.49b®<br>§ 60.49b(r)(1)  |
| 4, 14, 39    | GRP-HR03                  | 60Db-03           | PM           | None  | [G]§ 60.49b(d)<br>§ 60.49b(o)  | § 60.49b(a)<br>§ 60.49b(a)(1)<br>§ 60.49b(a)(3)   |
| 4, 14, 39    | GRP-HR03                  | 60Db-03           | PM (Opacity) | None  | [G]§ 60.49b(d)<br>§ 60.49b(o)  | § 60.49b(a)<br>§ 60.49b(a)(1)<br>§ 60.49b(a)(3)   |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant       | Monitoring and Testing Requirements   | Recordkeeping Requirements   | Reporting Requirements  |
|--------------|---------------------------|-------------------|-----------------|---|--|---|
| 4, 14, 39    | GRP-HR03                  | 60Db-03           | NO <sub>x</sub> | § 60.46b(c)<br>§ 60.46b(e)<br>§ 60.46b(e)(1)<br>§ 60.46b(e)(4)<br>[G]§ 60.48b(b)<br>§ 60.48b(c)<br>§ 60.48b(d)<br>§ 60.48b(e)<br>[G]§ 60.48b(e)(2)<br>§ 60.48b(e)(3)<br>§ 60.48b(f)<br>§ 60.48b(g)(1)   | [G]§ 60.48b(b)<br>§ 60.48b(c)<br>[G]§ 60.49b(d)<br>[G]§ 60.49b(g)<br>§ 60.49b(o) | § 60.49b(a)<br>§ 60.49b(a)(1)<br>§ 60.49b(a)(3)<br>§ 60.49b(b)<br>§ 60.49b(h)<br>§ 60.49b(h)(4)<br>§ 60.49b(i)<br>§ 60.49b(v)<br>§ 60.49b(w)  |
| 4, 14, 39    | GRP-HR03                  | 63DDDDD -01       | HAPs            | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c)<br>§63.7510(g)   | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c)                              | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)  |
| 5, 15, 40    | GRP-HR02                  | R7310-02          | CO              | [G]§ 117.335(a)(1)<br>§ 117.335(a)(4)<br>§ 117.335(b)<br>§ 117.335(d)<br>§ 117.335(e)<br>§ 117.335(g)<br>§ 117.340(a)<br>§ 117.8000(b)<br>§ 117.8000(c)<br>§ 117.8000(c)(2)<br>§ 117.8000(c)(3)<br>§ 117.8000(c)(5)<br>§ 117.8000(c)(6)<br>[G]§ 117.8000(d) | § 117.345(a)<br>§ 117.345(f)<br>§ 117.345(f)(1)<br>§ 117.345(f)(9)               | § 117.335(b)<br>§ 117.335(g)<br>[G]§ 117.345(b)<br>[G]§ 117.345(c)<br>§ 117.8010<br>[G]§ 117.8010(1)<br>§ 117.8010(2)<br>§ 117.8010(2)(A)<br>§ 117.8010(2)(B)<br>[G]§ 117.8010(3)<br>§ 117.8010(4)<br>[G]§ 117.8010(5)<br>§ 117.8010(6)<br>[G]§ 117.8010(7) |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No. | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant    | Monitoring and Testing Requirements  | Recordkeeping Requirements   | Reporting Requirements  |
|--------------|---------------------------|-------------------|--------------|--|--|---|
| 5, 15, 40    | GRP-HR02                  | R7310-02          | NOx          | § 117.335(a)(4)<br>§ 117.335(b)<br>§ 117.335(d)<br>§ 117.335(e)<br>§ 117.335(g)<br>§ 117.340(a)<br>§ 117.340(l)(2)<br>§ 117.340(o)(1)<br>§ 117.340(p)(1)<br>§ 117.340(p)(2)(A)<br>§ 117.340(p)(2)(B)<br>§ 117.340(p)(2)(C)<br>§ 117.8000(b)<br>§ 117.8000(c)<br>§ 117.8000(c)(1)<br>§ 117.8000(c)(3)<br>§ 117.8000(c)(5)<br>§ 117.8000(c)(6)<br>[G]§ 117.8000(d) | § 117.345(a)<br>§ 117.345(f)<br>§ 117.345(f)(1)<br>§ 117.345(f)(9) | § 117.335(b)<br>§ 117.335(g)<br>§ 117.340(p)(2)(D)<br>[G]§ 117.345(b)<br>[G]§ 117.345(c)<br>§ 117.8010<br>[G]§ 117.8010(1)<br>§ 117.8010(2)<br>§ 117.8010(2)(A)<br>§ 117.8010(2)(B)<br>§ 117.8010(2)(C)<br>§ 117.8010(2)(D)<br>[G]§ 117.8010(3)<br>§ 117.8010(4)<br>[G]§ 117.8010(5)<br>§ 117.8010(6)<br>[G]§ 117.8010(7) |
| 5, 15, 40    | GRP-HR02                  | 60Dc-07           | SO2          | None   | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)  | [G]§ 60.48c(a)<br>§ 60.48c(j)   |
| 5, 15, 40    | GRP-HR02                  | 60Dc-07           | PM           | None   | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)  | [G]§ 60.48c(a)<br>§ 60.48c(j)   |
| 5, 15, 40    | GRP-HR02                  | 60Dc-07           | PM (Opacity) | None   | § 60.48c(g)(1)<br>§ 60.48c(g)(2)<br>§ 60.48c(g)(3)<br>§ 60.48c(i)  | [G]§ 60.48c(a)<br>§ 60.48c(j)   |
| 5, 15, 40    | GRP-HR02                  | 63DDDDD-01        | HAPs         | §63.7515(d)<br>[G]§63.7521(f)-(g), (h)-(i)<br>§63.7530(g)<br>§63.7540(a), [G](a)(10), [G](c)<br>§63.7510(g)  | §63.7555(a), (a)(1)-(2), (g)-(h)<br>§63.7560(a)-(c)                | [G]§63.7521(g)<br>§63.7530(e), (f)<br>§63.7545(a)-(c), [G](e)-(f)<br>§63.7550(a), [G](b)-(c), [G](h)  |

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

|  |   |                          |
|--|---|--------------------------|
| Date: <b>August 9, 2024</b>                            | Regulated Entity No.: <b>102323268</b>          | Permit No.: <b>O3557</b> |
| Company Name: <b>Enterprise Products Operating LLC</b> | Area Name: <b>Eagleford Fractionation Units</b> |                          |

| Revision No.      | Unit/Group/Process ID No. | SOP/GOP Index No. | Pollutant | Monitoring and Testing Requirements | Recordkeeping Requirements                            | Reporting Requirements |
|-------------------|---------------------------|-------------------|-----------|-------------------------------------|---|------------------------|
| 9, 18, 27, 44, 48 | GRP-TK02                  | R5111-a1          | VOC       | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None                   |
| 9, 18, 27, 44, 48 | GRP-TK02                  | R5170-1           | VOC       | None                                | [G]§115.180(8)  | None                   |

**ATTACHMENT 7 – OP-ACPS: Application  
Compliance Plan and Schedule**

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

|  |  |   |
|--|--|---|
| <b>Date:</b> August 9, 2024                            | <b>Regulated Entity No.:</b> 102323268 | <b>Permit No.:</b> O3557                        |
| <b>Company Name:</b> Enterprise Products Operating LLC |  | <b>Area Name:</b> Eagleford Fractionation 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 (Certifications by Responsible Official) to certify information contained in this for 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:</p> <p>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><br>(Indicate Response by entering an "X" in the appropriate column)   |   |
| <b>1.</b> 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 |
| <b>2.</b> 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 |
| <b>3.</b> 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>   | 0   |
| <p><i>*For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.</i></p> <p><i>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.</i></p> <p><i>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.</i></p> |   |



**ATTACHMENT 8 – OP-PBR SUP: Permits 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 9, 2024 | O3557         | 102323268               |

| Unit ID No. | Registration No. | PBR No. | Registration Date |
|-------------|------------------|---------|-------------------|
| FUG-52130   | 94067            | 106.261 | 7/15/2019         |
| 126SK25001  | 94067            | 106.261 | 7/15/2019         |
| 126SK25001  | 111147           | 106.262 | 7/22/2013         |
| 136CAUSTK1  | 111147           | 106.472 | 7/22/2013         |
| 136CAUSTK2  | 111147           | 106.472 | 7/22/2013         |
| 136CAUSTK3  | 111147           | 106.472 | 7/22/2013         |

**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 9, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| EF EMG ENG  | 106.511 | 9/4/2000         |
| EF FWP      | 106.511 | 9/4/2000         |
| 128DTNK     | 106.472 | 9/4/2000         |
| FUG-02128   | 106.472 | 9/4/2000         |
| SITWIDE     | 106.263 | 11/1/2001        |
| SITWIDE     | 106.359 | 9/10/2013        |
| 128GE14001  | 106.511 | 9/4/2000         |
| 128PV17030  | 106.472 | 9/4/2000         |
| 128PV17031  | 106.472 | 9/4/2000         |
| 128PV17032  | 106.472 | 9/4/2000         |
| 128PV17033  | 106.472 | 9/4/2000         |
| 128PV17036  | 106.472 | 9/4/2000         |
| 128SV19012  | 106.472 | 9/4/2000         |
| 128SV19016  | 106.472 | 9/4/2000         |
| 128SV19017  | 106.472 | 9/4/2000         |
| 128SV19018  | 106.472 | 9/4/2000         |
| 128SV19019A | 106.472 | 9/4/2000         |
| 128SV19019B | 106.472 | 9/4/2000         |
| 128SV19021  | 106.472 | 9/4/2000         |
| 128SV19023  | 106.472 | 9/4/2000         |
| 129GE14001  | 106.511 | 9/4/2000         |
| 129SV19008  | 106.472 | 9/4/2000         |
| 129SV19012  | 106.472 | 9/4/2000         |
| 129SV19014  | 106.472 | 9/4/2000         |

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

| Date           | Permit Number | Regulated Entity Number |
|----------------|---------------|-------------------------|
| August 9, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date |
|-------------|---------|------------------|
| 129SV19016  | 106.472 | 9/4/2000         |
| 129SV19017  | 106.472 | 9/4/2000         |
| 129SV19018  | 106.472 | 9/4/2000         |
| 129SV19019A | 106.472 | 9/4/2000         |
| 129SV19019B | 106.472 | 9/4/2000         |
| HD5FUG      | 106.352 | 11/22/2012       |
| HD5HTR      | 106.352 | 11/22/2012       |
|             |         |                  |

**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 9, 2024 | O3557         | 102323268               |

| PBR No. | Version No./Date |
|---------|------------------|
| 106.122 | 9/4/2000         |
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|         |                  |

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

| Date           | Permit Number | Regulated Entity Number |
|----------------|---------------|-------------------------|
| August 9, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date | Monitoring Requirement  |
|-------------|---------|------------------|---|
| FUG-52130   | 106.261 | 11/1/2003        | Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3). |
| 126SK25001  | 106.261 | 11/1/2003        | Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3). |
| 126SK25001  | 106.262 | 11/1/2003        | Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).     |
| 136CAUSTK1  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| 136CAUSTK2  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| 136CAUSTK3  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| EF EMG ENG  | 106.511 | 9/4/2000         | Maintain records of total runtime hours per month.  |
| EF FWP      | 106.511 | 9/4/2000         | Maintain records of total runtime hours per month.  |
| 128DTNK     | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| FUG-02128   | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.      |
| Sitewide    | 106.263 | 11/1/2001        | The facility will maintain records in accordance with 30 TAC 106.263(g).                              |

**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 9, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date | Monitoring Requirement   |
|-------------|---------|------------------|--|
| Sitewide    | 106.359 | 9/10/2013        | The facility will maintain records in accordance with 30 TAC 106.359(c)(2)(E).                   |
| 128GE14001  | 106.511 | 9/4/2000         | Maintain records of total runtime hours per month.   |
| 128PV17030  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17031  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17032  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17033  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128PV17036  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19012  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19016  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19017  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19018  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |

**TCEQ-20875 (APD-ID 102v1, revised 05/22) OP-PBRSUP**

**This form for use by facilities subject to air quality permit requirements and may be revised periodically (Title V IMS Release 05/20)**

**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 9, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date | Monitoring Requirement   |
|-------------|---------|------------------|--|
| 128SV19019A | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19019B | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19021  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 128SV19023  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129GE14001  | 106.511 | 9/4/2000         | Maintain records of total runtime hours per month.   |
| 129SV19008  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19012  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19014  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19016  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19017  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19018  | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |

**TCEQ-20875 (APD-ID 102v1, revised 05/22) OP-PBRSUP**

**This form for use by facilities subject to air quality permit requirements and may be revised periodically (Title V IMS Release 05/20)**



**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 9, 2024 | O3557         | 102323268               |

| Unit ID No. | PBR No. | Version No./Date | Monitoring Requirement   |
|-------------|---------|------------------|--|
| 129SV19019A | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| 129SV19019B | 106.472 | 9/4/2000         | Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period. |
| HD5FUG      | 106.352 | 11/22/2012       | Follow the demonstration of compliance requirements in 106.352 Table 7.                          |
| HD5HTR      | 106.352 | 11/22/2012       | Follow the demonstration of compliance requirements in 106.352 Table 7.                          |

**ATTACHMENT 9 – OP-MON: Monitoring  
Requirements**

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

|  |  |                    |               |
|--|--|--------------------|---------------|
| <b>I. Identifying Information</b>                        |  |                    |               |
| Account No.:   | CI0008R  | RN No.: 102323268  | CN: 603211277 |
| Permit No.:  | O3557  | Project No.:       |               |
| Area Name:   | Eagleford Fractionation Units  |                    |               |
| Company Name:  | Enterprise Products Operating LLC  |                    |               |
| <b>II. Unit/Emission Point/Group/Process Information</b> |  |                    |               |
| Revision No.:  | 5,15,40  |                    |               |
| Unit/EPN/Group/Process ID No.:                           | GRP-HR02   |                    |               |
| Applicable Form:   | OP-UA5   |                    |               |
| <b>III. Applicable Regulatory Requirement</b>            |  |                    |               |
| Name:  | 30 TAC Chapter 117, Subchapter B   |                    |               |
| SOP/GOP Index No.:                                       | R7310-02   |                    |               |
| Pollutant:   | CO   |                    |               |
| Main Standard:   | § 117.310(c)(1)  |                    |               |
| Monitoring Type:   | PM   |                    |               |
| Unit Size:   |  |                    |               |
| Deviation Limit:   | Maximum CO emission rate = 8.43 lb/hr each heater  |                    |               |
| <b>IV. Control Device Information</b>                    |  |                    |               |
| Control Device ID No.:                                   |  |                    |               |
| Control Device Type:                                     |  |                    |               |
| <b>V. CAM Case-by-case</b>                               |  |                    |               |
| Indicator:   |  |                    |               |
| Minimum Frequency:                                       |  |                    |               |
| Averaging Period:  |  |                    |               |
| QA/QC Procedures:  |  |                    |               |
| Verification Procedures:                                 |  |                    |               |
| Representative Date:                                     |  |                    |               |
| <b>VI. Periodic Monitoring Case-by-case</b>              |  |                    |               |
| Indicator:   | Emission Calculations  | Minimum Frequency: | Once per Week |
| Averaging Period:  | n/a  |                    |               |
| Periodic Monitoring Text:                                | <p>Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. The fuel consumption rate shall be used in conjunction with AP-42 emission factors or most recent stack test to calculate the CO emission rate in lb/hr. The calculated CO emission rate shall be less than the deviation limit determined at the CO concentration limit of 400 ppmv and the maximum fuel consumption rate.</p> |                    |               |

## **ATTACHMENT 10 – OP-UAs: Unit Attribute Forms**

- + OP-UA2: Stationary Reciprocating Internal Combustion Engine Attributes;
- + OP-UA3: Storage Tank/Vessel Attributes;
- + OP-UA5: Process Heater/Furnace Attributes;
- + OP-UA6: Boiler/Steam Generator/Steam Generating Unit Attributes;
- + OP-UA7: Flare Attributes; and
- + OP-UA12: Fugitive Emission Unit Attributes.

**Stationary Reciprocating Internal Combustion Engine Attributes**

**Form OP-UA2 (Page 1)**

**Federal Operating Permit Program**

**Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**

**Subchapter B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Horsepower Rating | RACT Date Place in Service | Functionally Identical Replacement | Type of Service | Fuel Fired | Engine Type | ESAD Date Place in Service | Diesel HP Rating |
|-------------|-------------------|-------------------|----------------------------|------------------------------------|-----------------|------------|-------------|----------------------------|------------------|
| 128GE14001  | R7303-01          |                   |                            |                                    | D2001+          |            |             |                            |                  |
| 129GE14001  | R7303-01          |                   |                            |                                    | D2001+          |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |
|             |                   |                   |                            |                                    |                 |            |             |                            |                  |

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 4)

Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | HAP Source | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Stationary RICE Type |
|-------------|-------------------|------------|----------|-----------------------------------|--------------------------------|--------------|----------------------|
| 128GE14001  | 63ZZZZ-04         | MAJOR      | 300-500  | 06+                               | NO                             | EMER-A       |                      |
| 129GE14001  | 63ZZZZ-05         | MAJOR      | 500+     | 06+                               | NO                             | EMER-A       |                      |
|             |                   |            |          |                                   |                                |              |                      |
|             |                   |            |          |                                   |                                |              |                      |
|             |                   |            |          |                                   |                                |              |                      |
|             |                   |            |          |                                   |                                |              |                      |
|             |                   |            |          |                                   |                                |              |                      |
|             |                   |            |          |                                   |                                |              |                      |
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**Stationary Reciprocating Internal Combustion Engine Attributes**

**Form OP-UA2 (Page 10)**

**Federal Operating Permit Program**

**Table 5a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Applicability Date | Exemptions | Service | Commencing | Manufacture Date |
|-------------|-------------------|--------------------|------------|---------|------------|------------------|
| 128GE14001  | 60IIII-01         | 2005+              | NONE       | EMERG   | CON        | 0406+            |
| 129GE14001  | 60IIII-01         | 2005+              | NONE       | EMERG   | CON        | 0406+            |
|             |                   |                    |            |         |            |                  |
|             |                   |                    |            |         |            |                  |
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Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 11)

Federal Operating Permit Program

Table 5b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Diesel | AES No. | Displacement | Generator Set | Model Year | Install Date |
|-------------|-------------------|--------|---------|--------------|---------------|------------|--------------|
| 128GE14001  | 60IIII-01         | DIESEL |         | 10-          |               | 2011       |              |
| 129GE14001  | 60IIII-01         | DIESEL |         | 10-          |               | 2013       |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
|             |                   |        |         |              |               |            |              |
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Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 12)

Federal Operating Permit Program

Table 5c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Kilowatts | Filter | AECD | Standard | Compliance Option | PM Compliance | Options |
|-------------|-------------------|-----------|--------|------|----------|-------------------|---------------|---------|
| 128GE14001  | 60IIII-01         | E130-368  |        | NO   | YES      | MANU YES          |               |         |
| 129GE14001  | 60IIII-01         | E130-368  |        | NO   | YES      | MANU YES          |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
|             |                   |           |        |      |          |                   |               |         |
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|             |                   |           |        |      |          |                   |               |         |

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

| Date           |                   | Permit No.     |                  |                 |             | Regulated Entity No.       |             |           |                     |                       |
|----------------|-------------------|----------------|------------------|-----------------|-------------|----------------------------|-------------|-----------|---------------------|-----------------------|
| August 9, 2024 |                   | O3557          |                  |                 |             | 102323268                  |             |           |                     |                       |
| 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. |
| GRP-TK02       | 60Kb-E            | VOL            | 10K-20K          |                 |             |                            |             |           |                     |                       |
| GRP-TK04       | 60Kb-E            | VOL            | 20K-40K          | NONE            | 2.2-        |                            |             |           |                     |                       |
| GRP-TK07       | 60Kb-E            | VOL            | 10K-             |                 |             |                            |             |           |                     |                       |
| GRP-TK03       | 60Kb-E            | VOL            | 10K-20K          |                 |             |                            |             |           |                     |                       |
| GRP-1K-        | 60Kb-E            | VOL            | 10K-             |                 |             |                            |             |           |                     |                       |
| GRP-NVOC       | 60Kb-E            | OTHER3         |                  |                 |             |                            |             |           |                     |                       |
| 128SV20008     | 60Kb-02           | VOL            | 40K+             | NONE            | 0.5-0.75    | NONE3                      |             |           |                     |                       |
| 129SV19006     | 60Kb-E            | VOL            | 10K-             |                 |             |                            |             |           |                     |                       |
| 129SV19008     | 60Kb-02           | VOL            | 40K+             | NONE            | 0.5-0.75    | NONE3                      |             |           |                     |                       |
|                |                   |                |                  |                 |             |                            |             |           |                     |                       |
|                |                   |                |                  |                 |             |                            |             |           |                     |                       |
|                |                   |                |                  |                 |             |                            |             |           |                     |                       |
|                |                   |                |                  |                 |             |                            |             |           |                     |                       |

**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 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Alternate Control Requirement | ACR ID No. | Product Stored | Storage Capacity | Throughput | Potential to Emit | Uncontrolled Emissions |
|-------------|-------------------|-------------------------------|------------|----------------|------------------|------------|-------------------|------------------------|
| GRP-TK02    | R5111-a1          | NO                            |            | VOC1           | A1K-25K          |            |                   |                        |
| GRP-TK04    | R5111-a1          | NO                            |            | VOC1           | A25K-40K         |            |                   |                        |
| GRP-TK07    | R5111-a1          | NO                            |            | VOC1           | A1K-25K          |            |                   |                        |
| GRP-TK03    | R5111-a1          | NO                            |            | VOC1           | A1K-25K          |            |                   |                        |
| GRP-1K-     | R5111-a1          | NO                            |            | VOC1           | A1K-             |            |                   |                        |
| GRP-NVOC    | R5111-a1          | NO                            |            | OTHER1         |                  |            |                   |                        |
| 128SV20008  | R5111-a1          | NO                            |            | VOC1           | A40K+            |            |                   |                        |
| 129SV19006  | R5111-a1          | NO                            |            | VOC1           | A1K-25K          |            |                   |                        |
| 129SV19008  | R5111-a1          | NO                            |            | VOC1           | A40K+            |            |                   |                        |

**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 9, 2024 | O3557      | 102323268            |

| 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. |
|-------------|-------------------|-------------------|------------------|---------------------|--------------|----------------|---------------------|-----------------------|
| GRP-TK02    | R5111-a1          |                   | NONE1            | 1-                  |              |                |                     |                       |
| GRP-TK04    | R5111-a1          |                   | NONE1            | 1-                  |              |                |                     |                       |
| GRP-TK07    | R5111-a1          |                   | NONE1            | 1-1.5               |              |                |                     |                       |
| GRP-TK03    | R5111-a1          |                   | NONE1            | 1-                  |              |                |                     |                       |
| GRP-1K-     | R5111-a1          |                   |                  |                     |              |                |                     |                       |
| GRP-NVOC    | R5111-a1          |                   |                  |                     |              |                |                     |                       |
| 128SV20008  | R5111-a1          |                   | NONE1            | 1-1.5               |              |                |                     |                       |
| 129SV19006  | R5111-a1          |                   | NONE1            | 1-1.5               |              |                |                     |                       |
| 129SV19008  | R5111-a1          |                   | NONE1            | 1-                  |              |                |                     |                       |

**Storage Tank/Vessel Attributes**  
**Form OP-UA3 (Page 70)**  
**Federal Operating Permit Program**  
**Table 27a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**  
**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Control Requirement Exemption | Alternative Control Requirements | ACR ID No. |
|-------------|---------------|-------------------------------|----------------------------------|------------|
| SV19.002A   | R5170-1       | 112E                          |                                  |            |
| SV19.002B   | R5170-1       | 112E                          |                                  |            |
| SV19.003A   | R5170-1       | 112E                          |                                  |            |
| SV19.003B   | R5170-1       | 112E                          |                                  |            |
| SV19.006A   | R5170-1       | 112E                          |                                  |            |
| SV19.006B   | R5170-1       | 112E                          |                                  |            |
| GRP-TK02    | R5170-1       | 112E                          |                                  |            |
| GRP-TK03    | R5170-1       | 112E                          |                                  |            |
| GRP-TK04    | R5170-1       | 112E                          |                                  |            |
|             |               |                               |                                  |            |
|             |               |                               |                                  |            |
|             |               |                               |                                  |            |
|             |               |                               |                                  |            |
|             |               |                               |                                  |            |

Process Heater/Furnace Attributes

Form OP-UA5 (Page 1)

Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)

Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters

Texas Commission on Environmental Quality

| Date           |                   | Permit No. |                        |                             | Regulated EntityNo.                |              |  |  |                   |                                     |             |            |
|----------------|-------------------|------------|------------------------|-----------------------------|------------------------------------|--------------|--|--|-------------------|-------------------------------------|-------------|------------|
| August 9, 2024 |                   | O3557      |                        |                             | 102323268                          |              |  |  |                   |                                     |             |            |
| Unit ID No.    | SOP/GOP Index No. | Unit Type  | Maximum Rated Capacity | RACT Date Placed in Service | Functionally Identical Replacement | Fuel Type(s) |  |  | Annual Heat Input | NO <sub>x</sub> Emission Limitation | Opt-In Unit | 23C-Option |
| GRP-HR03       | R7310-04          | PRHTR      | 100-200                |                             |                                    | NG           |  |  | 22-               | 310D                                |             |            |
| GRP-HR02       | R7310-02          | PRHTR      | 2-40                   |                             |                                    | NG           |  |  |                   | 310D                                |             |            |
|                |                   |            |                        |                             |                                    |              |  |  |                   |                                     |             |            |
|                |                   |            |                        |                             |                                    |              |  |  |                   |                                     |             |            |
|                |                   |            |                        |                             |                                    |              |  |  |                   |                                     |             |            |

**Process Heater/Furnace Attributes**

**Form OP-UA5 (Page 2)**

**Federal Operating Permit Program**

**Table 1b: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**

**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas,  
Process Heaters  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Diluent CEMS | 30 TAC Chapter 116 Limit | NO <sub>x</sub> Emission Limit Basis | NO <sub>x</sub> Reduction | Common Stack Combined | Fuel Type Heat Input | NO <sub>x</sub> Monitoring System |
|-------------|---------------|--------------|--------------------------|--------------------------------------|---------------------------|-----------------------|----------------------|-----------------------------------|
| GRP-HR03    | R7310-04      | NO           | 93N                      | BLK1-LB                              | NONE                      |                       |                      | CEMS                              |
| GRP-HR02    | R7310-02      | NO           | 93N                      | OTHER                                | NONE                      |                       |                      | MERT                              |
|             |               |              |                          |                                      |                           |                       |                      |                                   |
|             |               |              |                          |                                      |                           |                       |                      |                                   |
|             |               |              |                          |                                      |                           |                       |                      |                                   |

**Process Heater/Furnace Attributes**

**Form OP-UA5 (Page 3)**

**Federal Operating Permit Program**

**Table 1c: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)**

**Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas, Process Heaters**

**Texas Commission on Environmental Quality**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|----------------|-------------------|-----------------------------|
| August 9, 2024 | O3557             | 102323268                   |

| <b>Unit ID No.</b> | <b>SOP Index No.</b> | <b>Fuel Flow Monitoring</b> | <b>CO Emission Limitation</b> | <b>CO Monitoring System</b> | <b>NH<sub>3</sub> Emission Limitation</b> | <b>NH<sub>3</sub> Monitoring</b> |
|--------------------|----------------------|-----------------------------|-------------------------------|-----------------------------|---|----------------------------------|
| GRP-HR03           | R7310-04             | X40A                        | 310C                          | CEMS                        |   |                                  |
| GRP-HR02           | R7310-02             | X40A                        | 310C                          | OTHER                       |   |                                  |
|                    |                      |                             |                               |                             |   |                                  |
|                    |                      |                             |                               |                             |   |                                  |
|                    |                      |                             |                               |                             |   |                                  |



**Process Heater/Furnace Attributes**  
**Form OP-UA5 (Page 10)**  
**Federal Operating Permit Program**  
**Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subchapter DDDDD: Industrial, Commercial, and Institutional Process Heaters**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP/GOP Index No. | Commence | Table Applicability | HCl Emission | HCl-CMS |
|-------------|-------------------|----------|---------------------|--------------|---------|
| GRP-HR03    | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| GRP-HR02    | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.001A   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.001B   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.002A   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
| HR15.002B   | 63DDDDDD-01       | NEW      | T3.3G1              |              |         |
|             |                   |          |                     |              |         |
|             |                   |          |                     |              |         |
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|             |                   |          |                     |              |         |

**Boiler/Steam Generator/Steam Generating Unit Attributes**

**Form OP-UA6 (Page 6)**

**Federal Operating Permit Program**

**Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**

**Texas Commission on Environmental Quality**

| <b>Date</b>           | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|-----------------------|-------------------|-----------------------------|
| <b>August 9, 2024</b> | <b>O3557</b>      | <b>102323268</b>            |

| <b>Unit ID No.</b> | <b>SOP Index No.</b> | <b>Construction/<br/>Modification Date</b> | <b>Heat Input<br/>Capacity</b> | <b>Subpart Da</b> | <b>Changes to<br/>Existing Affected<br/>Facility</b> | <b>Subpart Ea,<br/>Eb, or AAAA</b> | <b>Subpart<br/>KKKK</b> | <b>Subpart Cb or<br/>BBBB</b> |
|--------------------|----------------------|--|--------------------------------|-------------------|--|------------------------------------|-------------------------|-------------------------------|
| GRP-HR03           | 60Db-03              | 05+CR                                      | 100-250                        | NO                | NO   | NO                                 | NO                      | NO                            |
| GRP-HR02           | 60Db-E               | 05+CR                                      | 100-                           |                   |  |                                    |                         |                               |
|                    |                      |  |                                |                   |  |                                    |                         |                               |
|                    |                      |  |                                |                   |  |                                    |                         |                               |
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## Federal Operating Permit Program

**Table 3c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

| <b>Date</b>           | <b>Permit No.</b> | <b>Regulated Entity No.</b> |
|-----------------------|-------------------|-----------------------------|
| <b>August 9, 2024</b> | <b>03557</b>      | <b>102323268</b>            |

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**Boiler/Steam Generator/Steam Generating Unit Attributes**  
**Form OP-UA6 (Page 10)**  
**Federal Operating Permit Program**

**Table 3e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Alternate<br>Emission Limit<br>(AEL) | AEL ID. NO. | Facility Type | Monitoring Device | Common Fuel Source |
|-------------|---------------|--------------------------------------|-------------|---------------|-------------------|--------------------|
| GRP-HR03    | 60Db-03       |                                      |             |               |                   |                    |
| GRP-HR02    | 60Db-E        |                                      |             |               |                   |                    |
|             |               |                                      |             |               |                   |                    |
|             |               |                                      |             |               |                   |                    |
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### Boiler/Steam Generator/Steam Generating Unit Attributes

## Form OP-UA6 (Page 11)

## Federal Operating Permit Program

**Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

### Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units

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

| Date           | Permit No. | Regulatory Entity No. |
|----------------|------------|-----------------------|
| August 9, 2024 | O3557      | 102323268             |

| Unit ID No. | SOP Index No. | Monitoring Type<br>PM | Monitoring Type<br>SO <sub>2</sub> Inlet | Monitoring<br>Type SO <sub>2</sub> Outlet | Technology Type | 43CE-Option | 47C-Option |
|-------------|---------------|-----------------------|--|---|-----------------|-------------|------------|
| GRP-HR03    | 60Db-E        |                       |  |   |                 |             |            |
| GRP-HR02    | 60Db-07       | NONE                  | NONE                                     | NONE                                      | NONE            |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
|             |               |                       |  |   |                 |             |            |
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**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**

| <b>Date:</b>          | <b>Permit No.:</b> | <b>Regulated Entity No.:</b> |
|-----------------------|--------------------|------------------------------|
| <b>August 9, 2024</b> | <b>O3557</b>       | <b>102323268</b>             |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Acid Gases Only</b> | <b>Emergency/ Upset<br/>Conditions Only</b> | <b>Alternate Opacity<br/>Limitation (AOL)</b> | <b>AOL ID No.</b> | <b>Construction Date</b> |
|--------------------|--------------------------|------------------------|---|---|-------------------|--------------------------|
| 126SK25001         | R1111-01                 | NO                     | NO  |   |                   |                          |
|                    |                          |                        |   |   |                   |                          |
|                    |                          |                        |   |   |                   |                          |
|                    |                          |                        |   |   |                   |                          |
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|                    |                          |                        |   |   |                   |                          |

**Texas Commission on Environmental Quality**

**Flare Attributes**

**Form OP-UA7 (Page 3)**

**Federal Operating Permit Program**

**Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)**

**Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants**

| <b>Date:</b>          | <b>Permit No.:</b> | <b>Regulated Entity No.:</b> |
|-----------------------|--------------------|------------------------------|
| <b>August 9, 2024</b> | <b>O3557</b>       | <b>102323268</b>             |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Subject to<br/>40 CFR §60.18</b> | <b>Adhering To Heat<br/>Content Specifications</b> | <b>Flare Assist Type</b> | <b>Flare Exit Velocity</b> | <b>Heating Value of Gas</b> |
|--------------------|--------------------------|-------------------------------------|--|--------------------------|----------------------------|-----------------------------|
| 126SK25001         | 60A-01                   | YES                                 | YES  | AIR                      |                            |                             |
|                    |                          |                                     |  |                          |                            |                             |
|                    |                          |                                     |  |                          |                            |                             |
|                    |                          |                                     |  |                          |                            |                             |
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Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 1)  
Federal Operating Permit Program  
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)  
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants  
Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | 03557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Facility Type | Construction/Modification Date | Facility Covered by 40 CFR Part 60, Subparts VV or GGG | Title 40 Part 60, Subpart KKK Fugitives Unit Components |   |      |             |                           |
|-------------|-------------------|---------------|--------------------------------|--|---|---|------|-------------|---------------------------|
|             |                   |               |                                |  | Compressors   | Reciprocating Compressor in Wet Gas Service | AMEL | AMEL ID No. | Complying with § 60.482-3 |
| FUG-02126   | 60KKK-1           | GROUP         | 84-11                          | NO   | YES   | YES   | NO   |             | YES                       |
| GRP-FUG02   | 60KKK-1           | GROUP         | 84-11                          | NO   | YES   | YES   | NO   |             | YES                       |
|             |                   |               |                                |  |   |   |      |             |                           |
|             |                   |               |                                |  |   |   |      |             |                           |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 2)**  
**Federal Operating Permit Program**  
**Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |                                |                      |      |             |                           |
|-------------|---------------|---|--------------------------------|----------------------|------|-------------|---------------------------|
|             |               | Any Component   |                                | Pumps                |      |             |                           |
|             |               | Vacuum Service  | Non-VOC or Non-Wet Gas Service | Light Liquid Service | AMEL | AMEL ID No. | Complying with § 60.482-2 |
| FUG-02126   | 60KKK-1       | NO  | NO                             | YES                  | NO   |             | YES                       |
| GRP-FUG02   | 60KKK-1       | NO  | NO                             | YES                  | NO   |             | YES                       |
|             |               |   |                                |                      |      |             |                           |
|             |               |   |                                |                      |      |             |                           |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 3)**  
**Federal Operating Permit Program**  
**Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |      |             |                           |                        |      |             |                           |
|-------------|---------------|---|------|-------------|---------------------------|------------------------|------|-------------|---------------------------|
|             |               | Pumps (Continued)   |      |             |                           | Pressure Relief Device |      |             |                           |
|             |               | Heavy Liquid Service  | AMEL | AMEL ID No. | Complying with § 60.482-8 | Gas/Vapor Service      | AMEL | AMEL ID No. | Complying with § 60.482-4 |
| FUG-02126   | 60KKK-1       | NO  |      |             |                           | YES                    | NO   |             | YES                       |
| GRP-FUG02   | 60KKK-1       | NO  |      |             |                           | YES                    | NO   |             | YES                       |
|             |               |   |      |             |                           |                        |      |             |                           |
|             |               |   |      |             |                           |                        |      |             |                           |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 4)**  
**Federal Operating Permit Program**  
**Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |      |             |                           |                      |      |             |                           |
|-------------|---------------|---|------|-------------|---------------------------|----------------------|------|-------------|---------------------------|
|             |               | Pressure Relief Devices (continued)                                 |      |             |                           |                      |      |             |                           |
|             |               | Light Liquid Service  | AMEL | AMEL ID No. | Complying with § 60.482-8 | Heavy Liquid Service | AMEL | AMEL ID No. | Complying with § 60.482-8 |
| FUG-02126   | 60KKK-1       | YES   | NO   |             | YES                       | NO                   |      |             |                           |
| GRP-FUG02   | 60KKK-1       | YES   | NO   |             | YES                       | NO                   |      |             |                           |
|             |               |   |      |             |                           |                      |      |             |                           |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 5)**  
**Federal Operating Permit Program**  
**Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |      |             |                           |                              |      |             |                           |
|-------------|---------------|---|------|-------------|---------------------------|------------------------------|------|-------------|---------------------------|
|             |               | Open-ended Valves and Lines   | AMEL | AMEL ID No. | Complying with § 60.482-6 | Flanges and Other Connectors | AMEL | AMEL ID No. | Complying with § 60.482-8 |
| FUG-02126   | 60KKK-1       | YES   | NO   |             | YES                       | YES                          | NO   |             | YES                       |
| GRP-FUG02   | 60KKK-1       | YES   | NO   |             | YES                       | YES                          | NO   |             | YES                       |
|             |               |   |      |             |                           |                              |      |             |                           |
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Fugitive Emission Unit Attributes  
Form OP-UA12 (Page 6)  
Federal Operating Permit Program  
Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)  
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants  
Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |                   |      |             |                           |                      |      |             |                           |
|-------------|---------------|---|-------------------|------|-------------|---------------------------|----------------------|------|-------------|---------------------------|
|             |               | Valves  |                   |      |             |                           |                      |      |             |                           |
|             |               | 2% Valves Leaking   | Gas/Vapor Service | AMEL | AMEL ID No. | Complying with § 60.482-7 | Light Liquid Service | AMEL | AMEL ID No. | Complying with § 60.482-7 |
| FUG-02126   | 60KKK-1       | NO  | YES               | NO   |             | YES                       | YES                  | NO   |             | YES                       |
| GRP-FUG02   | 60KKK-1       | NO  | YES               | NO   |             | YES                       | YES                  | NO   |             | YES                       |
|             |               |   |                   |      |             |                           |                      |      |             |                           |
|             |               |   |                   |      |             |                           |                      |      |             |                           |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 7)**  
**Federal Operating Permit Program**  
**Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |      |             |                           |  |             |       |                       |                            |
|-------------|---------------|---|------|-------------|---------------------------|--|-------------|-------|-----------------------|----------------------------|
|             |               | Valves  |      |             |                           | Closed Vent Systems and Control Devices  |             |       |                       |                            |
|             |               | Heavy Liquid Service  | AMEL | AMEL ID No. | Complying with § 60.482-8 | Control Devices used to comply with AMEL | AMEL ID No. | Flare | Control Device ID No. | Complying with § 60.482-10 |
| FUG-02126   | 60KKK-1       | NO  |      |             |                           | NO                                       |             | YES   | 126SK25001            | YES                        |
| GRP-FUG02   | 60KKK-1       | NO  |      |             |                           | NO                                       |             | YES   | 126SK25001            | YES                        |
|             |               |   |      |             |                           |  |             |       |                       |                            |
|             |               |   |      |             |                           |  |             |       |                       |                            |
|             |               |   |      |             |                           |  |             |       |                       |                            |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 8)**  
**Federal Operating Permit Program**  
**Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |                       |                            |                            |                       |                            |
|-------------|---------------|---|-----------------------|----------------------------|----------------------------|-----------------------|----------------------------|
|             |               | Closed Vent Systems and Control Devices (continued)                 |                       |                            |                            |                       |                            |
|             |               | Vapor Recovery System   | Control Device ID No. | Complying with § 60.482-10 | Enclosed Combustion Device | Control Device ID No. | Complying with § 60.482-10 |
| FUG-02126   | 60KKK-1       | YES   | 126SK25001            | YES                        | NO                         |                       |                            |
| GRP-FUG02   | 60KKK-1       | YES   | 126SK25001            | YES                        | NO                         |                       |                            |
|             |               |   |                       |                            |                            |                       |                            |
|             |               |   |                       |                            |                            |                       |                            |
|             |               |   |                       |                            |                            |                       |                            |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 9)**  
**Federal Operating Permit Program**  
**Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 Part 60, Subpart KKK Fugitives Unit Components (continued) |                            |                       |
|-------------|---------------|---|----------------------------|-----------------------|
|             |               | Closed Vent Systems and Control Devices (continued)                 |                            |                       |
|             |               | Closed-Vent Systems   | Complying with § 60.482-10 | Control Device ID No. |
| FUG-02126   | 60KKK-1       | YES   | YES                        | 126SK25001            |
| GRP-FUG02   | 60KKK-1       | YES   | YES                        | 126SK25001            |
|             |               |   |                            |                       |
|             |               |   |                            |                       |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 10)**  
**Federal Operating Permit Program**  
**Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**  
**Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants**  
**Texas Commission on Environmental Quality**

| Date           | Permit No.    | Regulated Entity No   |
|----------------|---------------|---|
| August 9, 2024 | O3557         | 102323268   |
| Unit ID No.    | SOP Index No. | Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description |
| FUG-02126      | 60KKK-1       | FRAC IV UNIT FUGITIVES                                      |
| GRP-FUG02      | 60KKK-1       | FRAC V & VI UNIT FUGITIVES                                  |
|                |               |   |
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Fugitive Emission Unit Attributes

Form OP-UA12 (Page 11)

Federal Operating Permit Program

Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 30 TAC § 115.352 Applicable | < 250 Components at Site | Weight Percent VOC | Reciprocating Compressors or Positive Displacement Pumps |
|-------------|-------------------|-----------------------------------|--------------------------|--------------------|--|
| FUG-02126   | R5357-01          | PETCHEM                           | NO                       | 10+                | YES  |
| GRP-FUG02   | R5357-01          | PETCHEM                           | NO                       | 10+                | YES  |
| FUG-52130   | R5357-01          | PETCHEM                           | NO                       | 10+                | YES  |
|             |                   |                                   |                          |                    |  |
|             |                   |                                   |                          |                    |  |
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Fugitive Emission Unit Attributes

Form OP-UA12 (Page 12)

Federal Operating Permit Program

Table 2b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Rupture Disks | Instrumentation Systems | Sampling Connection Systems | TVP $\leq$ 0.002 psia |
|-------------|-------------------|---------------|-------------------------|-----------------------------|-----------------------|
| FUG-02126   | R5357-01          | YES           | NO                      | YES                         | NO                    |
| GRP-FUG02   | R5357-01          | YES           | NO                      | YES                         | NO                    |
| FUG-52130   | R5357-01          | YES           | NO                      | YES                         | NO                    |
|             |                   |               |                         |                             |                       |
|             |                   |               |                         |                             |                       |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 13)**

**Federal Operating Permit Program**

**Table 2c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components |     |            |                             |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|--|
|             |               | Process Drains                                  | ACR | ACR ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | NO  |     |            |                             |  |  |
| GRP-FUG02   | R5357-01      | NO  |     |            |                             |  |  |
| FUG-52130   | R5357-01      | NO  |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 14)**

**Federal Operating Permit Program**

**Table 2d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                            |  |  |
|-------------|---------------|---|-----|------------|----------------------------|--|--|
|             |               | Pressure Relief Valves                                      | ACR | ACR ID No. | Complying with §115.352(1) | TVP of Process Fluid VOC ≤ 0.044 psia at 68° F | TVP of Process Fluid VOC > 0.044 psia at 68° F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                        | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                        | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                        | NO   | YES  |
|             |               |   |     |            |                            |  |  |
|             |               |   |     |            |                            |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 15)**

**Federal Operating Permit Program**

**Table 2e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                              |  |  |
|-------------|---------------|---|-----|------------|------------------------------|--|--|
|             |               | Open-ended Valves and Lines                                 | ACR | ACR ID No. | Complying with § 115.352 (1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                          | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                          | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                          | NO   | YES  |
|             |               |   |     |            |                              |  |  |
|             |               |   |     |            |                              |  |  |
|             |               |   |     |            |                              |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 16)**

**Federal Operating Permit Program**

**Table 2f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|--|
|             |               | Valves (Other than pressure relief and open-ended)          | ACR | ARC ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC ≤ 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                         | NO   | YES  |
|             |               |   |     |            |                             |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 17)**

**Federal Operating Permit Program**

**Table 2g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |   |
|-------------|---------------|---|-----|------------|-----------------------------|--|---|
|             |               | Flanges   | ACR | ACR ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68°F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES   |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                         | YES  | YES   |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                         | NO   | YES   |
|             |               |   |     |            |                             |  |   |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 18)**

**Federal Operating Permit Program**

**Table 2h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|--|
|             |               | Agitators   | ACR | ACR ID No. | Complying with § 115.352(1) | TVP of Process Fluid VOC < 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | NO  |     |            |                             |  |  |
| GRP-FUG02   | R5357-01      | NO  |     |            |                             |  |  |
| FUG-52130   | R5357-01      | NO  |     |            |                             |  |  |
|             |               |   |     |            |                             |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 19)**

**Federal Operating Permit Program**

**Table 2i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 Fugitive Unit Components (continued) |     |            |                             |  |                   |  |  |
|-------------|---------------|---|-----|------------|-----------------------------|--|-------------------|--|--|
|             |               | Compressor Seals  | ACR | ACR ID No. | Complying with § 115.352(1) | Hydrogen Content to Exceed 50% by Volume | Shaft Seal System | TVP of Process Fluid VOC ≤ 0.044 psia at 68 °F | TVP of Process Fluid VOC > 0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES   | NO  |            | YES                         | NO                                       | NO                | YES  | YES  |
| GRP-FUG02   | R5357-01      | YES   | NO  |            | YES                         | NO                                       | NO                | YES  | YES  |
| FUG-52130   | R5357-01      | YES   | NO  |            | YES                         | NO                                       | YES               | NO   | YES  |
|             |               |   |     |            |                             |  |                   |  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 20)**

**Federal Operating Permit Program**

**Table 2j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,  
and Petrochemical Processes in Ozone Nonattainment Areas  
Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 30 TAC § 115.352 |     |            |                             | Unit              | Components                                     | (continued)                                   |
|-------------|---------------|------------------------|-----|------------|-----------------------------|-------------------|--|---|
|             |               | Pump Seals             | ACR | ACR ID No. | Complying With § 115.352(1) | Shaft Seal System | TVP of Process Fluid VOC ≤ 0.044 psia at 68 °F | TVP of Process Fluid VOC >0.044 psia at 68 °F |
| FUG-02126   | R5357-01      | YES                    | NO  |            | YES                         | NO                | YES  | YES   |
| GRP-FUG02   | R5357-01      | YES                    | NO  |            | YES                         | NO                | YES  | YES   |
| FUG-52130   | R5357-01      | YES                    | NO  |            | YES                         | YES               | NO   | YES   |
|             |               |                        |     |            |                             |                   |  |   |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 21)**  
**Federal Operating Permit Program**  
**Table 2k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**  
**Subchapter D: Fugitive Emission Control in Petroleum Refining, Natural Gas/Gasoline Processing,**  
**and Petrochemical Processes in Ozone Nonattainment Areas**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Components Utilizing Alternative Work Practice in § 115.358 | Title 30 TAC Chapter 115 Fugitive Unit Description |
|-------------|---------------|---|--|
| FUG-02126   | R5357-01      | NO  | FRAC IV UNIT FUGITIVES                             |
| GRP-FUG02   | R5357-01      | NO  | FRAC V & VI UNIT FUGITIVES                         |
| FUG-52130   | R5357-01      | NO  | NORTH PLANT DIB UNIT FUGITIVES                     |
|             |               |   |  |
|             |               |   |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 98)**

**Federal Operating Permit Program**

**Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | AMEL | AMEL ID No. | Subject to Another Regulation | VHAP Weight Percent | <300 Operating Hours | Vacuum Service | Sampling Connection Systems |
|-------------|-------------------|------|-------------|-------------------------------|---------------------|----------------------|----------------|-----------------------------|
| FUG-02126   | 63HH-01           | NO   |             | NONE                          | 10+                 | NO                   | NO             | YES                         |
|             |                   |      |             |                               |                     |                      |                |                             |
|             |                   |      |             |                               |                     |                      |                |                             |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 99)**

**Federal Operating Permit Program**

**Table 13b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components |                          |      |             |                           |
|-------------|---------------|---|--------------------------|------|-------------|---------------------------|
|             |               | Pumps   | Design Capacity <283,000 | AMEL | AMEL ID No. | Complying with § 61.242-2 |
| FUG-02126   | 63HH-01       | YES   | NO                       | NO   |             | YES                       |
|             |               |   |                          |      |             |                           |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 100)**

**Federal Operating Permit Program**

**Table 13c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |   |      |                |                              |
|-------------|---------------|---|---|------|----------------|------------------------------|
|             |               | Compressors   | Reciprocating<br>Compress<br>in Wet Gas Service | AMEL | AMEL ID<br>No. | Complying with<br>§ 61.242-3 |
| FUG-02126   | 63HH-01       | YES   | NO  | NO   |                | YES                          |
|             |               |   |   |      |                |                              |
|             |               |   |   |      |                |                              |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 101)**  
**Federal Operating Permit Program**  
**Table 13d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |                             |                             |      |                |                              |
|-------------|---------------|---|-----------------------------|-----------------------------|------|----------------|------------------------------|
|             |               | Pressure Relief Device<br>(In Gas/Vapor Service)                      | Relief Device<br>Monitoring | Design Capacity<br><283,000 | AMEL | AMEL ID<br>No. | Complying with<br>§ 61.242-4 |
| FUG-02126   | 63HH-01       | YES   | NO                          | NO                          | NO   |                | YES                          |
|             |               |   |                             |                             |      |                |                              |
|             |               |   |                             |                             |      |                |                              |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 101)**  
**Federal Operating Permit Program**  
**Table 13e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |                             |      |             |                              |
|-------------|---------------|---|-----------------------------|------|-------------|------------------------------|
|             |               | Pressure Relief Devices<br>(In Liquid Service)                        | Relief Device<br>Monitoring | AMEL | AMEL ID No. | Complying<br>with § 61.242-8 |
| FUG-02126   | 63HH-01       | YES   | NO                          | NO   |             | YES                          |
|             |               |   |                             |      |             |                              |
|             |               |   |                             |      |             |                              |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 103)**  
**Federal Operating Permit Program**  
**Table 13f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No. |
|----------------|------------|----------------------|
| August 9, 2024 | O3557      | 102323268            |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63 Subpart HH Fugitive Unit Components |      |             |                           |
|-------------|---------------|--|------|-------------|---------------------------|
|             |               | Open-ended Valves or Lines                               | AMEL | AMEL ID No. | Complying with § 61.242-6 |
| FUG-02126   | 63HH-01       | YES  | NO   |             | YES                       |
|             |               |  |      |             |                           |
|             |               |  |      |             |                           |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 104)**

**Federal Operating Permit Program**

**Table 13g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |                             |      |             |                              |
|-------------|---------------|---|-----------------------------|------|-------------|------------------------------|
|             |               | Valves  | Design Capacity<br><238,000 | AMEL | AMEL ID No. | Complying<br>with § 61.242-7 |
| FUG-02126   | 63HH-01       | YES   | NO                          | NO   |             | YES                          |
|             |               |   |                             |      |             |                              |
|             |               |   |                             |      |             |                              |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 105)**

**Federal Operating Permit Program**

**Table 13h: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components<br>(continued) |      |             |                              |
|-------------|---------------|--|------|-------------|------------------------------|
|             |               | Flanges and<br>Other<br>Connectors                                       | AMEL | AMEL ID No. | Complying with<br>§ 61.242-8 |
| FUG-02126   | 63HH-01       | YES  | NO   |             | YES                          |
|             |               |  |      |             |                              |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 106)**

**Federal Operating Permit Program**

**Table 13i: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components<br>(continued) |      |             |                        |
|-------------|---------------|--|------|-------------|------------------------|
|             |               | Product Accumulator Vessels  | AMEL | AMEL ID No. | Control Device ID. No. |
| FUG-02126   | 63HH-01       | NO   |      |             |                        |
|             |               |  |      |             |                        |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 107)**

**Federal Operating Permit Program**

**Table 13j: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |      |             |                               |                       |
|-------------|---------------|---|------|-------------|-------------------------------|-----------------------|
|             |               | Closed-Vent Systems and Control Devices                               |      |             |                               |                       |
|             |               | Vapor Recovery System   | AMEL | AMEL ID No. | Complying with § 61.242-11(b) | Control Device ID No. |
| FUG-02126   | 63HH-01       | YES   | NO   |             | YES                           | 126SK25001            |
|             |               |   |      |             |                               |                       |
|             |               |   |      |             |                               |                       |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 108)**

**Federal Operating Permit Program**

**Table 13k: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |      |             |                               |                       |
|-------------|---------------|---|------|-------------|-------------------------------|-----------------------|
|             |               | Closed-Vent Systems and Control Devices (Continued)                   |      |             |                               |                       |
|             |               | Enclosed Combustion Device  | AMEL | AMEL ID No. | Complying with § 61.242-11(c) | Control Device ID No. |
| FUG-02126   | 63HH-01       | NO  |      |             |                               |                       |
|             |               |   |      |             |                               |                       |
|             |               |   |      |             |                               |                       |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 109)**

**Federal Operating Permit Program**

**Table 13I: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**

**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |      |             |                               |                       |
|-------------|---------------|---|------|-------------|-------------------------------|-----------------------|
|             |               | Closed-Vent Systems and Control Devices (Continued)                   |      |             |                               |                       |
|             |               | Flare   | AMEL | AMEL ID No. | Complying with § 61.242-11(d) | Control Device ID No. |
| FUG-02126   | 63HH-01       | YES   | NO   |             | YES                           | 126SK25001            |
|             |               |   |      |             |                               |                       |
|             |               |   |      |             |                               |                       |
|             |               |   |      |             |                               |                       |
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**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 110)**  
**Federal Operating Permit Program**  
**Table 13m: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Title 40 CFR Part 63, Subpart HH Fugitive Unit Components (continued) |             |                                  | Title 40 CFR Part 63, Subpart HH Fugitive Unit Description |
|-------------|---------------|---|-------------|----------------------------------|--|
|             |               | Closed-Vent Systems   |             |                                  |  |
|             |               | AMEL  | AMEL ID No. | Complying with § 61.242-11(f)(1) |  |
| FUG-02126   | 63HH-01       | NO  |             | YES                              | FRAC IV UNIT FUGITIVES                                     |
|             |               |   |             |                                  |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 227)**

**Federal Operating Permit Program**

**Table 20a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No</b> |
|----------------|-------------------|----------------------------|
| August 9, 2024 | O3557             | 102323268                  |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Construction/ Modification Date</b> | <b>Centrifugal Compressor</b> | <b>Control Option</b> | <b>Control Device ID No.</b> | <b>Combustion Device Compliance Option</b> | <b>Preformance Test</b> | <b>Bypass Device</b> |
|--------------------|--------------------------|--|-------------------------------|-----------------------|------------------------------|--|-------------------------|----------------------|
| GRP-EF-FUG         | 600000-01                |  |                               |                       |                              |  |                         |                      |
| HD5FUG             | 600000-01                |  |                               |                       |                              |  |                         |                      |
| FUG-52130          | 600000-01                |  |                               |                       |                              |  |                         |                      |
|                    |                          |  |                               |                       |                              |  |                         |                      |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 228)**

**Federal Operating Permit Program**

**Table 20b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No</b> |
|----------------|-------------------|----------------------------|
| August 9, 2024 | O3557             | 102323268                  |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Construction/ Modification<br/>Date</b> | <b>Reciprocating Compressor</b> | <b>Bypass Device</b> |
|--------------------|--------------------------|--|---------------------------------|----------------------|
| GRP-EF-FUG         | 600000-01                |  |                                 |                      |
| HD5FUG             | 600000-01                |  |                                 |                      |
| FUG-52130          | 600000-01                | 11-15                                      | RCCVS                           | NONE                 |
|                    |                          |  |                                 |                      |
|                    |                          |  |                                 |                      |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 229)**

**Federal Operating Permit Program**

**Table 20c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No</b> |
|----------------|-------------------|----------------------------|
| August 9, 2024 | O3557             | 102323268                  |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Construction/ Modification Date</b> | <b>Pneumatic Controller</b> |
|--------------------|--------------------------|--|-----------------------------|
| GRP-EF-FUG         | 600000-01                |  |                             |
| HD5FUG             | 600000-01                |  |                             |
| FUG-52130          | 600000-01                |  |                             |
|                    |                          |  |                             |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 230)**

**Federal Operating Permit Program**

**Table 20d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No</b> |
|----------------|-------------------|----------------------------|
| August 9, 2024 | O3557             | 102323268                  |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Subject to Another Subpart</b> | <b>Construction/ Modification Date</b> |
|--------------------|--------------------------|-----------------------------------|--|
| GRP-EF-FUG         | 600000-01                | NONE                              | 11-15                                  |
| HD5FUG             | 600000-01                | NONE                              | 11-15                                  |
| FUG-52130          | 600000-01                | NONE                              | 11-15                                  |
|                    |                          |                                   |  |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 231)**

**Federal Operating Permit Program**

**Table 20e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components |                      |                        |      |             | Complying with 60.482-2a |
|-------------|-------------------|---|----------------------|------------------------|------|-------------|--------------------------|
|             |                   | Any Vacuum Service  | Pumps                |                        |      |             |                          |
|             |                   |   | Light Liquid Service | Design Capacity < 10MM | AMEL | AMEL ID No. |                          |
| GRP-EF-FUG  | 600000-01         | NO  | YES                  | NO                     | NO   |             | YES                      |
| HD5FUG      | 600000-01         | NO  | YES                  | NO                     | NO   |             | YES                      |
| FUG-52130   | 600000-01         | NO  | YES                  | NO                     | NO   |             | YES                      |
|             |                   |   |                      |                        |      |             |                          |
|             |                   |   |                      |                        |      |             |                          |
|             |                   |   |                      |                        |      |             |                          |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 232)**

**Federal Operating Permit Program**

**Table 20f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components |                        |      |              |                          |
|-------------|-------------------|---|------------------------|------|--------------|--------------------------|
|             |                   | Pressure Relief Devices                                     |                        |      |              |                          |
|             |                   | Gas/Vapor Service   | Design Capacity < 10MM | AMEL | AMEL ID. No. | Complying with 60.482-4a |
| GRP-EF-FUG  | 600000-01         | YES   | NO                     | NO   |              | YES                      |
| HD5FUG      | 600000-01         | YES   | NO                     | NO   |              | YES                      |
| FUG-52130   | 600000-01         | YES   | NO                     | NO   |              | YES                      |
|             |                   |   |                        |      |              |                          |
|             |                   |   |                        |      |              |                          |
|             |                   |   |                        |      |              |                          |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 233)**

**Federal Operating Permit Program**

**Table 20g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |      |             |                          |
|-------------|-------------------|---|------|-------------|--------------------------|
|             |                   | Open-ended Vales or Lines   | AMEL | AMEL ID No. | Complying with 60.482-6a |
| GRP-EF-FUG  | 600000-01         | YES   | NO   |             | YES                      |
| HD5FUG      | 600000-01         | YES   | NO   |             | YES                      |
| FUG-52130   | 600000-01         | YES   | NO   |             | YES                      |
|             |                   |   |      |             |                          |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 234)**

**Federal Operating Permit Program**

**Table 20h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |                         |       |      |             |                          |
|-------------|-------------------|---|-------------------------|-------|------|-------------|--------------------------|
|             |                   | Valves  |                         |       |      |             |                          |
|             |                   | Gas/Vapor or Light Liquid Service                                       | Design Capacity < 10 MM | 2.00% | AMEL | AMEL ID No. | Complying with 60.482-7a |
| GRP-EF-FUG  | 600000-01         | YES   | NO                      | NO    | NO   |             | YES                      |
| HD5FUG      | 600000-01         | YES   | NO                      | NO    | NO   |             | YES                      |
| FUG-52130   | 600000-01         | YES   | NO                      | NO    | NO   |             | YES                      |
|             |                   |   |                         |       |      |             |                          |
|             |                   |   |                         |       |      |             |                          |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 235)**

**Federal Operating Permit Program**

**Table 20i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |      |             |                          |                      |      |             |                          |
|-------------|-------------------|---|------|-------------|--------------------------|----------------------|------|-------------|--------------------------|
|             |                   | Pumps (Continued)   |      |             |                          | Valves (Continued)   |      |             |                          |
|             |                   | Heavy Liquid Service  | AMEL | AMEL ID No. | Complying with 60.482-8a | Heavy Liquid Service | AMEL | AMEL ID No. | Complying with 60.482-8a |
| GRP-EF-FUG  | 600000-01         | NO  |      |             |                          | NO                   |      |             |                          |
| HD5FUG      | 600000-01         | NO  |      |             |                          | NO                   |      |             |                          |
| FUG-52130   | 600000-01         | NO  |      |             |                          | NO                   |      |             |                          |
|             |                   |   |      |             |                          |                      |      |             |                          |
|             |                   |   |      |             |                          |                      |      |             |                          |
|             |                   |   |      |             |                          |                      |      |             |                          |
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**Fugitive Emission Unit Attributes**

**Form OP-UA12 (Page 235)**

**Federal Operating Permit Program**

**Table 20j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Pressure Relief Devices (continued) |      |             |                          | Connectors           |      |             |                          |
|-------------|-------------------|-------------------------------------|------|-------------|--------------------------|----------------------|------|-------------|--------------------------|
|             |                   | Heavy or Light Liquid Service       | AMEL | AMEL ID No. | Complying with 60.482-8a | Heavy Liquid Service | AMEL | AMEL ID No. | Complying with 60.482-8a |
| GRP-EF-FUG  | 600000-01         | NO                                  |      |             |                          | NO                   |      |             |                          |
| HD5FUG      | 600000-01         | NO                                  |      |             |                          | NO                   |      |             |                          |
| FUG-52130   | 600000-01         | NO                                  |      |             |                          | NO                   |      |             |                          |
|             |                   |                                     |      |             |                          |                      |      |             |                          |
|             |                   |                                     |      |             |                          |                      |      |             |                          |
|             |                   |                                     |      |             |                          |                      |      |             |                          |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 20k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No</b> |
|----------------|-------------------|----------------------------|
| August 9, 2024 | O3557             | 102323268                  |

| <b>Unit ID No.</b> | <b>SOP/GOP Index No.</b> | <b>Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued)</b> |             |                    |                                  |                              |
|--------------------|--------------------------|--|-------------|--------------------|----------------------------------|------------------------------|
|                    |                          | <b>Closed Vent Systems and Control Devices</b>                                 |             |                    |                                  |                              |
|                    |                          | <b>Vapor Recovery System</b>   | <b>AMEL</b> | <b>AMEL ID No.</b> | <b>Complying with 60.482-10a</b> | <b>Control Device ID No.</b> |
| GRP-EF-FUG         | 600000-01                | NO   |             |                    |                                  |                              |
| HD5FUG             | 600000-01                | NO   |             |                    |                                  |                              |
| FUG-52130          | 600000-01                | NO   |             |                    |                                  |                              |
|                    |                          |  |             |                    |                                  |                              |
|                    |                          |  |             |                    |                                  |                              |
|                    |                          |  |             |                    |                                  |                              |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 201: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |      |             |                           |                       |
|-------------|-------------------|---|------|-------------|---------------------------|-----------------------|
|             |                   | Closed Vent Systems and Control Devices (continued)                     |      |             |                           |                       |
|             |                   | Enclosed Combustion Device  | AMEL | AMEL ID No. | Complying with 60.482-10a | Control Device ID No. |
| GRP-EF-FUG  | 60OOOO-01         | NO  |      |             |                           |                       |
| HD5FUG      | 60OOOO-01         | NO  |      |             |                           |                       |
| FUG-52130   | 60OOOO-01         | NO  |      |             |                           |                       |
|             |                   |   |      |             |                           |                       |
|             |                   |   |      |             |                           |                       |
|             |                   |   |      |             |                           |                       |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 20m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**

**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |      |             |                           |                       |
|-------------|-------------------|---|------|-------------|---------------------------|-----------------------|
|             |                   | Closed Vent Systems and Control Devices (continued)                     |      |             |                           |                       |
|             |                   | Flare   | AMEL | AMEL ID No. | Complying with 60.482-10a | Control Device ID No. |
| GRP-EF-FUG  | 600000-01         | NO  |      |             |                           |                       |
| HD5FUG      | 600000-01         | NO  |      |             |                           |                       |
| FUG-52130   | 600000-01         | NO  |      |             |                           |                       |
|             |                   |   |      |             |                           |                       |
|             |                   |   |      |             |                           |                       |
|             |                   |   |      |             |                           |                       |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 20n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |      |             |                           |                             |                         |      |             |                           |
|-------------|-------------------|---|------|-------------|---------------------------|-----------------------------|-------------------------|------|-------------|---------------------------|
|             |                   | Closed Vent Systems and Control Devices                                 |      |             |                           | Connectors                  |                         |      |             |                           |
|             |                   | CVS   | AMEL | AMEL ID No. | Complying with 60.482-10a | Gas/Vapor or Liquid Service | Design Capacity < 10 MM | AMEL | AMEL ID No. | Complying with 60.482-11a |
| GRP-EF-FUG  | 600000-01         | NO  |      |             |                           | YES                         | NO                      | NO   |             | YES                       |
| HD5FUG      | 600000-01         | NO  |      |             |                           | YES                         | NO                      | NO   |             | YES                       |
| FUG-52130   | 600000-01         | NO  |      |             |                           | YES                         | NO                      | NO   |             | YES                       |
|             |                   |   |      |             |                           |                             |                         |      |             |                           |
|             |                   |   |      |             |                           |                             |                         |      |             |                           |
|             |                   |   |      |             |                           |                             |                         |      |             |                           |
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|             |                   |   |      |             |                           |                             |                         |      |             |                           |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 20o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)**

**Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015**  
**Texas Commission on Environmental Quality**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP/GOP Index No. | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Components (continued) |
|-------------|-------------------|---|
|             |                   | Title 40 CFR Part 60, Subpart OOOO Fugitive Unit Description            |
| GRP-EF-FUG  | 600000-01         | EF Fugitives  |
| HD5FUG      | 600000-01         | HD5 Splitter Unit Fugitives   |
| FUG-52130   | 600000-01         | NORTH PLANT DIB UNIT FUGITIVES  |
|             |                   |   |
|             |                   |   |
|             |                   |   |
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**Table 22a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Compressor Type | ACR | ACR ID No. |
|-------------|---------------|-----------------|-----|------------|
| GRP-EF-FUG  | R5170-1       | CCOMPDS         |     |            |
|             |               |                 |     |            |
|             |               |                 |     |            |
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**Table 22b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Control Options | Control Device | Control Device ID No. | Bypass Device | Unsafe to Monitor | Difficult to Monitor |
|-------------|---------------|-----------------|----------------|-----------------------|---------------|-------------------|----------------------|
| GRP-EF-FUG  | R5170-1       |                 |                |                       |               |                   |                      |
|             |               |                 |                |                       |               |                   |                      |
|             |               |                 |                |                       |               |                   |                      |
|             |               |                 |                |                       |               |                   |                      |
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**Table 22c: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Pneumatic Facility Type | ACR | ACR ID No. |
|-------------|---------------|-------------------------|-----|------------|
| GRP-EF-FUG  | R5170-1       |                         |     |            |
|             |               |                         |     |            |
|             |               |                         |     |            |
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**Table 22d: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | Control Device | Control Device ID No. | Bypass Device | Unsafe to Monitor | Difficult to Monitor |
|-------------|---------------|----------------|-----------------------|---------------|-------------------|----------------------|
| GRP-EF-FUG  | R5170-1       |                |                       |               |                   |                      |
|             |               |                |                       |               |                   |                      |
|             |               |                |                       |               |                   |                      |
|             |               |                |                       |               |                   |                      |
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**Table 22e: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| <b>Date</b>    | <b>Permit No.</b> | <b>Regulated Entity No</b> |
|----------------|-------------------|----------------------------|
| August 9, 2024 | O3557             | 102323268                  |

| <b>Unit ID No.</b> | <b>SOP Index No.</b> | <b>Fugitive Component</b> | <b>Components Utilizing Alternative Work Practice in § 115.358</b> |
|--------------------|----------------------|---------------------------|--|
| GRP-EF-FUG         | R5170-1              | FCNG                      | NO   |
|                    |                      |                           |  |
|                    |                      |                           |  |
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Table 22f: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components |     |            |                      |                          |
|-------------|---------------|---|-----|------------|----------------------|--------------------------|
|             |               | Pumps in Light Liquid VOC Service       | ACR | ACR ID No. | Polymerizing Monomer | Not Polymerizing Monomer |
| GRP-EF-FUG  | R5170-1       | YES                                     | NO  |            | NO                   | YES                      |
|             |               |   |     |            |                      |                          |
|             |               |   |     |            |                      |                          |
|             |               |   |     |            |                      |                          |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 22g: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Pumps in Heavy Liquid VOC Service                   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   |     |            |                               |
|             |               |   |     |            |                               |
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**Fugitive Emission Unit Attributes**

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**Federal Operating Permit Program**

**Table 22h: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Valves  | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   | NO  |            | YES                           |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
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Fugitive Emission Unit Attributes  
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**Table 22i: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Flanges   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   | NO  |            | YES                           |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
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**Table 22j: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Connectors  | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   | NO  |            | YES                           |
|             |               |   |     |            |                               |
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**Table 22k: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Pressure Relief Devices                             | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   | NO  |            | YES                           |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
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**Table 22l: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Sampling Connections                                | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   | NO  |            | YES                           |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
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**Table 22m: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Process Drains                                      | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | NO  |     |            |                               |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
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**Table 22n: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)**

**Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Components (continued) |     |            |                               |
|-------------|---------------|---|-----|------------|-------------------------------|
|             |               | Compressors   | ACR | ACR ID No. | Complying with §115.177(b)(1) |
| GRP-EF-FUG  | R5170-1       | YES   | NO  |            | YES                           |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
|             |               |   |     |            |                               |
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**Table 22o: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)  
Subchapter B: Division 7: Oil and Natural Gas Service in Ozone Nonattainment Areas**

| Date           | Permit No. | Regulated Entity No |
|----------------|------------|---------------------|
| August 9, 2024 | O3557      | 102323268           |

| Unit ID No. | SOP Index No. | 30 TAC 115.177 Fugitive Unit Description |
|-------------|---------------|--|
| GRP-EF-FUG  | R5170-1       | FRAC FUGITIVES                           |
|             |               |  |
|             |               |  |
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