

## Texas Commission on Environmental Quality

Title V Existing

1043

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	HOUSTON TERMINAL
Does the site have a physical address?	Yes
Physical Address	
Number and Street	15602 JACINTOPOORT BLVD
City	HOUSTON
State	TX
ZIP	77015
County	HARRIS
Latitude (N) (##.#####)	29.747222
Longitude (W) (-###.#####)	95.128055
Primary SIC Code	4226
Secondary SIC Code	
Primary NAICS Code	49319
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100224740
What is the name of the Regulated Entity (RE)?	HOUSTON TERMINAL
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	15602 JACINTOPOORT BLVD, HOUSTON, TX
City	HOUSTON
State	TX
ZIP	77015
County	HARRIS
Latitude (N) (##.#####)	29.743
Longitude (W) (-###.#####)	-95.1283
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL

### 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

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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 & 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:)	ENV
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	environmental@eprod.com

## Duly Authorized Representative Contact

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Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.

Organization Name	PRANAV KULKARNI(ENTERPRISE MIDL... )
Prefix	ENTERPRISE MIDLAND BASIN MIDSTREAM LLC
First	MR
Middle	PRANAV
Last	KULKARNI
Suffix	
Credentials	
Title	DIRECTOR, 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:)	ENV
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.

New Contact

Organization Name

Enterprise Products Operating LLC

Prefix

MR

First

Michael

Middle

Last

Chastant

Suffix

Credentials

Title

Staff Environmental Engineer

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

1100 LOUISIANA ST

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

City

HOUSTON

State

TX

ZIP

77002

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

7133816617

Extension

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

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

E-mail

mdchastant1@EPROD.COM

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 44 Min 50 Sec

3) Permit Longitude Coordinate:

95 Deg 7 Min 41 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.

1043-37166

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

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Attach OP-1 (Site Information Summary)

[File Properties]

File Name

</ePermitsExternal/faces/file?fileId=307234>>OP\_1\_HSC OP-1 update Jan 26.pdf</a>

Hash

8C652E9C555BD9B4502CE23762E8AD43BB76CDB2B78A187D6E41BBCC9D7C5636

MIME-Type

application/pdf

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-PBR SUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

</ePermitsExternal/faces/file?fileId=307235>>HSC Title V compiled agency correspondence.pdf</a>

Hash

E1507C700A76476B1A380EE35FFB869468B917D08B4F2974CBE4DE2AB4AF9B95

MIME-Type

application/pdf

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

[File Properties]

File Name

</ePermitsExternal/faces/file?fileId=308683>>HSC OP-CRO1 signed.pdf</a>

Hash 4D03449FE73488A10441D094046D080B9DEBFD01EA08CB2FEE73B72FF3A738A0  
MIME-Type application/pdf

## 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 Pranav Kulkarni, the owner of the STEERS account ER037480.
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 1043.
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: Pranav Kulkarni OWNER OPERATOR

Account Number: ER037480  
Signature IP Address: 50.58.14.5  
Signature Date: 2026-01-22  
Signature Hash: 8AADA9A04B8DBBD762F17996CB91667A65F9AD0CC6120CADE63FA5FA8CE08CCE  
Form Hash Code at time of Signature: 43ABDE66DA02B5F4F8DF96E365CC96C88393EE12204B29D73B2EE57E9F64E0CF

## Submission

Reference Number: The application reference number is 879787  
Submitted by: The application was submitted by ER037480/Pranav Kulkarni  
Submitted Timestamp: The application was submitted on 2026-01-22 at 12:42:37 CST  
Submitted From: The application was submitted from IP address 50.58.14.5  
Confirmation Number: The confirmation number is 734907  
Steers Version: The STEERS version is 6.94  
Permit Number: The permit number is 1043

## Additional Information

Application Creator: This account was created by Michael Chastant

**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>January 2026</b>
<b>II. Site Information</b>	
A. Site Name:	<b>Houston Terminal</b>
B. Regulated Entity Reference Number (RN):	<b>RN 100224740</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: <i>(Check the appropriate box[es].)</i>	
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO <sub>x</sub> <input type="checkbox"/> SO <sub>2</sub> <input type="checkbox"/> PM <sub>10</sub> <input 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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:	<b>N/A</b>
<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>	
A. Is this submittal an abbreviated or a full application?	<input type="checkbox"/> Abbreviated <input type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Has 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
E. Has the required Public Involvement Plan been included with this application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>V. Confidential Information</b>	
A. Is confidential information submitted in conjunction with this application?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>VI. Responsible Official (RO)</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 &amp; Chief Operating Officer</b>
Employer Name:	<b>Enterprise Products Operating LLC</b>
Mailing Address:	<b>PO Box 4324 ENV</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) 381-6595</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"/> s. <input type="checkbox"/> I )
Technical Contact Full Name:	<b>Michael Chastant</b>
Technical Contact Title:	<b>Staff Environmental Engineer</b>
Employer Name:	<b>Enterprise Products Operating LLC</b>
Mailing Address:	<b>1100 Louisiana Street</b>
City:	<b>Houston</b>
State:	<b>TX</b>
ZIP Code:	<b>77002-5227</b>
Territory:	
Country:	<b>USA</b>
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.:	<b>(713) 381-6617</b>
Fax No.:	
E-mail:	<a href="mailto:mdchastant1@eprod.com">mdchastant1@eprod.com</a>
<b>VIII. Reference Only Requirements</b> <i>(For reference only.)</i>	
<b>A. State Senator:</b>	<b>Carol Alvarado, District 6</b>
<b>B. State Representative:</b>	<b>Ana Hernandez, District 143</b>
<b>C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>E. Indicate the alternate language(s) in which public notice is required:</b>	<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>	
<i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>	
<b>A.</b>	Office/Facility Name:
<b>B.</b>	Physical Address:
	City:
	State:
	ZIP Code:
	Territory:
	Country:
	Foreign Postal Code:
<b>C.</b>	Physical Location:
<b>D.</b>	Contact Name Prefix:      ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
	Contact Full Name:
<b>E.</b>	Telephone No.:
<b>X. Application Area Information</b>	
<b>A.</b>	Area Name: <b>Houston Terminal</b>
<b>B.</b>	Physical Address: <b>15602 Jacintoport Blvd</b>
	City: <b>Houston</b>
	State: <b>Texas</b>
	ZIP Code: <b>77015</b>
<b>C.</b>	Physical Location:
<b>D.</b>	Nearest City:
<b>E.</b>	State:
<b>F.</b>	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°44'50"</b>
<b>H.</b> Longitude (nearest second):	<b>95°7'41"</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> <i>(Complete this section for SOP Applications and Acid Rain Permit Applications only.)</i>	
<b>A.</b> Name of public place to view application and draft permit:	<b>Deer Park Public Library</b>
<b>B.</b> Physical Address:	<b>3009 Center St</b>
City:	<b>Deer Park</b>
ZIP Code:	<b>77536</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>Michael Chastant</b>
Contact Mailing Address:	<b>1100 Louisiana Street</b>
City:	<b>Houston</b>
State:	<b>TX</b>
ZIP Code:	<b>77002-5227</b>
Territory:	
Country:	<b>USA</b>
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.:	<b>(713) 381-6617</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"/> Ms. <input type="checkbox"/> .)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

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

<b>Complete Sections XIII and XIV for Acid Rain Permit and CSAPR permit applications only. Please include a copy of the Certificate of Representation submitted to EPA.</b>
<b>XIV. Alternate Designated Representative (ADR) Identifying Information</b>
ADR Name Prefix:: ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> s. <input type="checkbox"/> )
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:

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

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

<b>I. Identifying Information</b>	
RN: RN100224740	
CN: CN603211277	
Account No.: HG0531D	
Permit No.: O1043	
Project No.: 37166	
Area Name: Enterprise Products Operating LLC	
Company Name: Enterprise Products Operating LLC	
<b>II. Certification Type</b> <i>(Please mark appropriate box)</i>	
<input type="checkbox"/> Responsible Official	<input checked="" type="checkbox"/> Duly Authorized Representative
<b>III. Submittal Type</b> <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>	
<input type="checkbox"/> SOP/TOP Initial Permit Application	<input type="checkbox"/> Permit Revision, Renewal, or Reopening
<input type="checkbox"/> GOP Initial Permit Application	<input checked="" type="checkbox"/> Update to Permit Application
<input type="checkbox"/> Other: _____	

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

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

<b>IV. Certification of Truth</b>			
<b>This certification does not extend to information which is designated by TCEQ as information for reference only.</b>			
I, <u>Pranav Kulkarni</u> certify that I am the <u>DAR</u>			
<i>(Certifier Name printed or typed)</i>		<i>(RO or DAR)</i>	
and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:			
<i>Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).</i>			
Time Period: From <u>2/28/2025</u> to <u>1/21/2026</u>			
<i>(Start Date)</i>		<i>(End Date)</i>	
Specific Dates: _____			
<i>(Date 1)</i>	<i>(Date 2)</i>	<i>(Date 3)</i>	<i>(Date 4)</i>
_____			
<i>(Date 5)</i>	<i>(Date 6)</i>		
Signature: <u></u>		Signature Date: <u>1/20/21</u>	
Title: <u>Director</u>			

**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Thursday, January 22, 2026 12:54 PM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon Kyle. The changes and certification were just submitted through STEERS.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

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**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Tuesday, January 13, 2026 10:59 AM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

[Use caution with links/attachments]

Apologies for the multiple emails, but please make sure to update the public notice contact information as well. It is currently Mr. Daniel Quesada in our database. Thank you!

Kyle Murray

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**From:** Kyle Murray  
**Sent:** Tuesday, January 13, 2026 10:56 AM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I just spoke with Michael about the correct contact information for the site. Please include an updated OP-1 with your STEERS submittal depicting the change to the current technical contact. 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



How are we doing? Fill out our online customer satisfaction survey at [www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

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**From:** Kyle Murray

**Sent:** Tuesday, January 13, 2026 9:09 AM

**To:** 'Chastant, Michael' <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>

**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

With the draft permit approved, we are preparing to issue the Public Notice Authorization Package. I will need you to certify all previous application updates and email correspondence. The easiest way to do this is to upload Form OP-CRO1 through STEERS using the Time Period option dated from February 28, 2025 – January 01, 2026 (The date of your first application update to the date of the final email correspondence). Please complete this by **Wednesday, January 21<sup>st</sup>**. Thank you for your continued assistance with this project. It is much appreciated. Let me know if you have any additional 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



How are we doing? Fill out our online customer satisfaction survey at [www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Friday, January 9, 2026 9:53 AM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Kyle, we have reviewed the draft. Our only comments are on the formatting of the periodic monitoring for GRP BOIL1. There is an erroneous line break between “be” and “maintained” and an extra space between “the” and “Permit”.

Deviation Limit: CO concentration of 100 ppm at 95% O<sub>2</sub>, dry

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Periodic Monitoring Text: 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 emission factors from the Permit by Rule (PBR) 106.183 documentation dated 9/24/2019 and engineering calculations to calculate the CO

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Tuesday, December 30, 2025 2:35 PM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

My sincere apologies for that oversight. Attached is the updated version. Let me know if you would need additional time to review the draft.

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

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**From:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>  
**Sent:** Tuesday, December 30, 2025 1:30 PM  
**To:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

The file that was attached appears to be the previous version of the WDP and does not include the changes you described. Please provide the updated version.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Tuesday, December 23, 2025 10:14 AM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I appreciate your patience while we finalized the working draft permit. I have attached the revised WDP for your review and approval. Please provide any additional comments or indicate your approval by **Friday, January 9<sup>th</sup>**.

Additions to the revised WDP are as follows:

- Added term 3.C. for 30 TAC Chapter 111.151, nonagricultural processes.
- Finalized case-by-case monitoring requests.
- Finalized NSPS Kb applicable requirements.

Let me know if you have any questions. 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)

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**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Thursday, November 6, 2025 7:57 AM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** OP-MON backup calculations rev1.pdf  
  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good morning Kyle. We are good with the updated periodic monitoring text. The revised supporting calculations are attached. Please let me know if you have any other questions or comments.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

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 [1]	Permitted CO Emission Rate (lb/hr)	Permitted CO Emission Rate (ppm) [2]
S-11	S-11	Boiler S-11	10.05	87535.5	1.74	234.09
S-12	S-12	Boiler S-12	10.05	87535.5	1.74	234.09
S-13	S-13	Boiler S-13	10.05	87535.5	1.74	234.09
S-16	S-16	Boiler S-16	10.05	87535.5	1.74	234.09
S-17	S-17	Boiler S-17	10.05	87535.5	1.74	234.09
S-18	S-18	Boiler S-18	10.05	87535.5	1.74	234.09
S-20	S-20	Boiler S-20	10.05	87535.5	1.74	234.09
S-23	S-23	Boiler S-23	24.11	209998.1	0.90	50.47

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

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

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Wednesday, October 29, 2025 9:56 AM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I have a finalized update from my monitoring specialist. Please review the attached document with textual changes to the Deviation Limit and Periodic Monitoring Text and indicate your approval. In addition, please provide a response to the following from my monitoring specialist by **Friday, November 7<sup>th</sup> or sooner if possible.**

*I also noticed a couple typos in the calculation sheet provided by the applicant (the pdf titled "OP-MON backup calculations"). They should fix these and provided the corrected page. Here is what I found:*

- *Based on the full documentation file ("190924 – Houston PBR Documentation Boiler S-23 Removal Boiler S-24 September 2019"), the emission factor for S-23 is 0.90 lb/hr. However, the calculation sheet lists 3.96 lb/hr. I think that was an error – that 3.96 is the tons per year (tpy) value. Then, using 0.90 lb/hr in the calculation leads to a CO concentration closer to 50 ppm instead of 222.07 ppm. A value around 50 ppm lines up with the specifications from the manufacturer in the documentation file. The applicant should fix the last two columns of the table for the S-23 row.*
- *In the footnote [2] which shows the formula for calculating ppm, 385 lbmol/ft3 should be 385 ft3/lbmol. (The units were just flipped when writing out the formula.)*

Thank you for your cooperation with this matter. Let me know if you have any questions.  
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)

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**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Thursday, August 28, 2025 2:38 PM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** 190924 - Houston PBR Documentation Boiler S-23 & Removal Boiler S-24 September 2019.pdf

Good afternoon. The boiler PBR was not registered. A copy of the PBR documentation dated 9/24/2019 is attached. Please let me know if you need any additional information.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745



ENTERPRISE PRODUCTS PARTNERS L.P.  
ENTERPRISE PRODUCTS HOLDINGS LLC  
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

September 24, 2019

**RE: PBR Documentation for Boiler S-23 and removal of boiler S-24  
Houston Terminal  
Enterprise Products Operating LLC  
CN603211277 / RN100224740**

Enterprise Products Operating LLC ("Enterprise") owns and operates the Houston Terminal located in Harris County, Texas.

With this project, Enterprise is removing one boiler (EPN 2-24) and revising the emissions of a previously authorized boiler (EPN S-23) due to a change in the boiler being installed. As a result of the boiler representation updates, Unit S-23 will be covered via 30 TAC 106.183 *Boilers, Heaters, and Other Combustion Devices* and 106.263 *Routine Maintenance, Startup, and Shutdown of Facilities, and Temporary Maintenance Facilities*, which do not require registration with the TCEQ.

The attached serves as the permit documentation for PBRs 106.183 and 106.263 and demonstrates compliance with the general and specific PBR requirements. The documentation will be maintained internally as proof of authorization for the boilers.

Thank you,

A handwritten signature in blue ink, appearing to read "Ryan Anderson".

Ryan Anderson, P.E.  
Senior Engineer, Environmental

A handwritten signature in blue ink, appearing to read "Bradley J. Cooley".

Bradley J. Cooley, P.E.  
Senior Manager, Environmental

/bjm  
Attachment



**Enterprise Products Operating LLC**  
**Houston Terminal**  
Harris County, Texas

**Permit by Rule Documentation §106.183 and §106.263**  
**Boiler PBR Revision for S-23 and removal of S-24**

**August 2019**

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- 1.1. Introduction
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- 1.5. Federal Permitting Review
- 1.6. NAAQS Review
- 1.7. Regulatory Analysis
- 1.8. Emissions Summary
- 1.9. Emissions Calculations
- 1.10. Equipment Spec Sheets
- 1.11. Maps
- 1.12. Checklists/Tables

## 1. TECHNICAL SECTION

---

### 1.1. General Information

**Applicant:** Enterprise Products Operating, LLC  
**Address:** 1100 Louisiana Street  
Houston, TX 77008

**Responsible Official:** Ivan W. Zirbes  
Vice President  
713-381-6595  
[environmental@eprod.com](mailto:environmental@eprod.com)

**Technical Contact:** Ryan Anderson  
Senior Engineer, Environmental  
713-381-4644  
[raanderson@eprod.com](mailto:raanderson@eprod.com)

**Facility:** HOUSTON TERMINAL  
**Address:** 15602A Jacintoport Blvd, Houston, TX 77015  
**Facility Type:** LPG & Products Export; Product Storage  
**TCEQ CN:** CN603211277  
**TCEQ RN:** RN100224740  
**PBRs Claimed:** §106.183, §106.263

### 1.2. Process Description & Process Flow Diagram

The Houston Terminal is a for-hire hydrocarbon product storage and transfer facility that receives, stores, and transfer products via ships, barges, pipelines, and tank trucks. Products can be received at the facility and loaded into aboveground storage tanks until the product's owner requests final delivery. Final delivery may be to a ship, barge, pipeline, or tank truck. Liquefied Petroleum Gas (LPG) is received at the facility and is refrigerated and compressed in order to be loaded onto pressurized vessels for delivery. The boilers at the facility are used to generate steam that is used in the LPG refrigeration trains, sent to the steam header to heat tanks storing viscous products (i.e. fixed roof tanks storing bunker fuels), or provided to third parties on an as-needed basis.

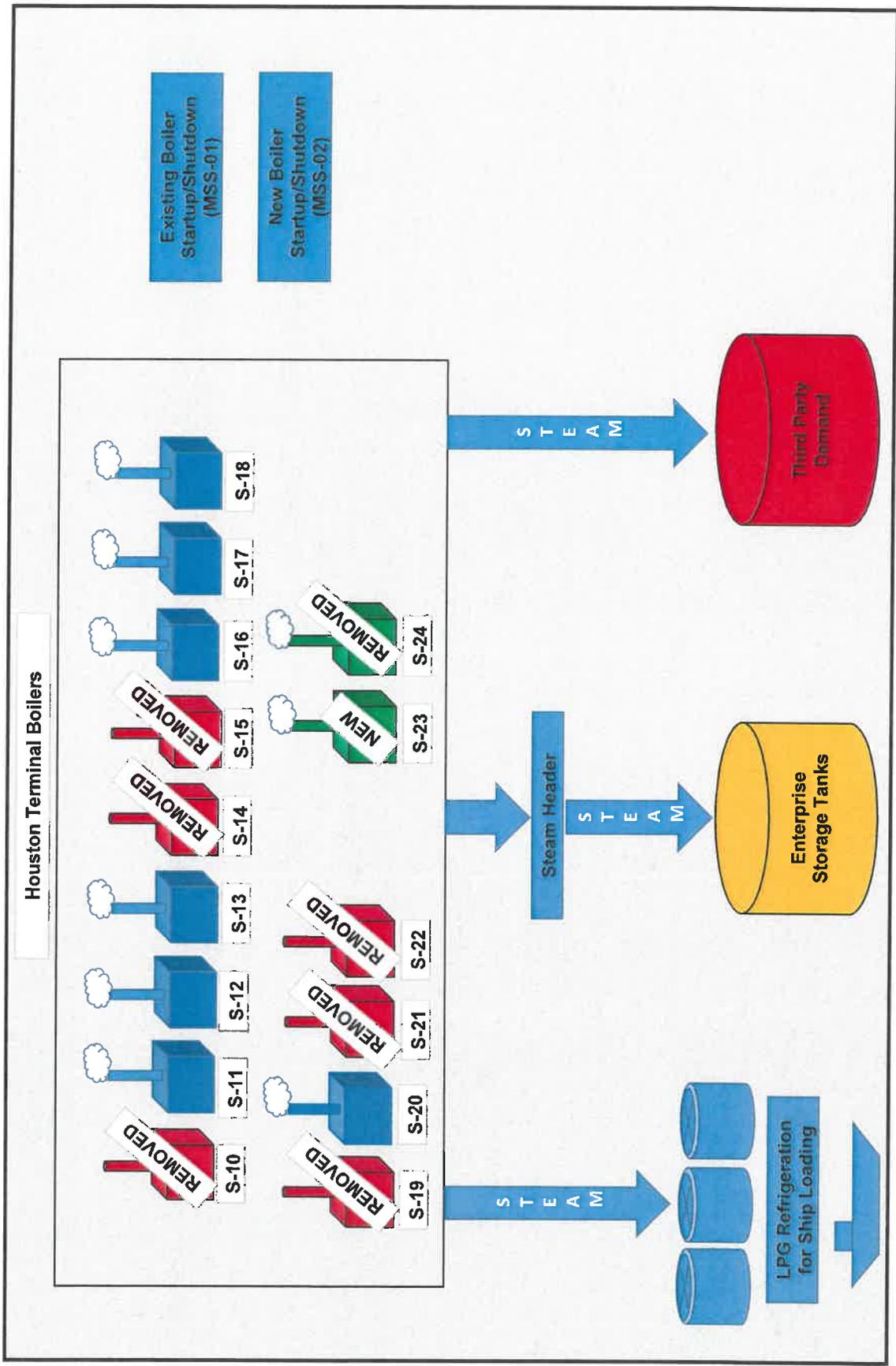
### 1.3. Project Overview

Enterprise is revising the authorizations for Boiler S-23 and is removing Boiler S-24 at their Houston Terminal facility. Enterprise originally authorized boilers S-23 and S-24 with a 30 TAC §106.183 PBR, effective 6/27/2019. These updated authorizations will be

authorized via 30 TAC § 106.183 (Boilers, Heaters and Other Combustion Devices), which does not require registration with the TCEQ.

Additionally, Enterprise would like to update the Maintenance, Startup, and Shutdown (MSS) emissions for S-23 and remove S-24 via 30 TAC §106.263 (Routine Maintenance, Start-up and Shutdown of Facilities, and Temporary Maintenance Facilities). PBR 106.263 does not require registration with the TCEQ.

The emissions from all other Boilers will remain the same and have not been updated with this project.



#### 1.4. Table of Facility Air Permits

The tables below outlines all active air permits for the facility.

<b>Permit #</b>	<b>PBR Claimed</b>	<b>Description</b>	<b>Effective Date</b>
<b>25887</b>	Standard Exemption 86	Storage Tanks	8/19/1994
<b>26909</b>	Standard Exemption 86	Surge Tanks 1 & 2	12/12/1994
<b>27189</b>	Standard Exemption 86	Storage Tanks	12/22/1994
<b>35124</b>	106.512 - Engines & Turbines	Crude Handling	5/1/1997
<b>41029</b>	106.261 - Facilities (Emissions Limitations)	New Ship Dock 8	4/26/1999
<b>44160</b>	106.472 - Loading/Unloading	Railcar Rack 1 Diesel Loading	4/28/2000
<b>52653</b>	106.261 - Facilities (Emissions Limitations)	Truck Rack 2 & Associated Components	10/15/2002
<b>55701</b>	106.352 - Water & Wastewater Treatment	Oil/Water Separator 2	7/17/2003
<b>70963</b>	106.472 - Loading/Unloading	Fixed Roof Tank C80-3	2/12/2004
<b>73860</b>	106.261 - Facilities (Emissions Limitations)	Crude Oil Meter Station and Fugitives	10/26/2004
<b>77076</b>	106.261 - Facilities (Emissions Limitations); 106.262 - Facilities (Emissions & Distance Limitations)	Update to Equipment Fugitives	10/18/2005
<b>77421</b>	106.261 - Facilities (Emissions Limitations); 106.262 - Facilities (Emissions & Distance Limitations)	Update to Equipment Fugitives	12/20/2005
<b>86536</b>	106.452 - Dry Abrasive Cleaning; 106.433 - Surface Coating Facility	Laydown Yard for Surface Coating	11/18/2008
<b>92912</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New IFR Tanks 390-35 & 265-28, 200 Manifold Expansion, Maintenance Activities	8/12/2010
<b>94991</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New Storage Tank 390-36 and Associated Maintenance Activities	4/5/2011
<b>95750</b>	106.454 - Degreasing Units	Two new Degreasers for Terminal	5/13/2011

<b>Permit #</b>	<b>PBR Claimed</b>	<b>Description</b>	<b>Effective Date</b>
<b>96611</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New IFR Tanks 275-71 & 275-72, Manifold 600 Expansion, Maintenance Activities	7/20/2011
<b>99145</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New IFR Tanks 275-70 & 275-73, Manifold 600 Expansion, Maintenance Activities	12/6/2011
<b>105067</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	Two new pipeline relief Tanks R8-1 & R8-2 and Maintenance Activities	9/24/2012
<b>105750</b>	106.261 - Facilities (Emissions Limitations); 06.262 - Facilities (Emissions & Distance Limitations)	Dock E Construction and Docks 6 & 7 Loading Operations	10/16/2012
<b>109320</b>	106.261 - Facilities (Emissions Limitations)	2012 Annual PBR Registration	5/28/2013
<b>109703</b>	106.261 - Facilities (Emissions Limitations); 106.262 - Facilities (Emissions & Distance Limitations)	Docks 8 & 9 Construction	6/28/2013
<b>113313</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New Storage Tank 80-37, Manifold 200 & 600 Expansion, Maintenance Activities	12/11/2013
<b>116577</b>	Pollution Control Standard Permit	Like Kind Replacement of Tank 100-54 Rim-Seal	2/19/2014
<b>118003</b>	Pollution Control Standard Permit	Like Kind Replacement of Tank 150-9 Rim-Seal	4/16/2014
<b>119743</b>	106.261 - Facilities (Emissions Limitations)	2013 Annual PBR Registration	7/17/2014
<b>145589</b>	106.261 - Facilities (Emissions Limitations); 106.472 –Loading/Unloading; 106.478 - Storage Tank and Change of Service	Change of Service to Increase Crude RVP for Tanks 390-30, 390-31, 390-32, 390-33	6/14/2017
<b>147345</b>	106.261 - Facilities (Emissions Limitations); 106.478 - Storage Tank and Change of Service	Change of Service to add products, increase RVP for tanks 100-60, 100-61, 100-63, 80-62, and 80-64	7/21/2017

<b>Permit #</b>	<b>PBR Claimed</b>	<b>Description</b>	<b>Effective Date</b>
<b>147683</b>	106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New DEFR Storage Tanks 390-89, 390-90, 390-91, and 390-32; Manifold 700 Expansion, Permanent VCU for Tank MSS	9/19/2017
<b>152087</b>	Pollution Control Standard Permit	As Built Changes to VCU controlling Tanks 390-76, 390-77, 390-78, and 390-88	6/20/2018
<b>152684</b>	106.261 - Facilities (Emissions Limitations); 106.478 - Storage Tank and Change of Service	Update Emissions for Tanks 175-59, 200-56 200-57 and 200-58	8/17/2018
<b>153555</b>	106.261 - Facilities (Emissions Limitations); 106.263 - Routine MSS; 106.478 - Storage Tank and Change of Service	New Storage Tank 390-6009 and Associated Maintenance Activities	11/29/2018
<b>155108</b>	106.261 - Facilities (Emissions Limitations)	Authorize Miscellaneous Fugitive Components	5/29/2019
<b>155421</b>	106.261 - Facilities (Emissions Limitations); 106.478 - Storage Tank and Change of Service	Update Withdrawal Rates and Products Authorized for Tanks 390-26, 390-27, 390-34, and 200-20	5/29/2019
<b>157090</b>	106.262 - Facilities (Emissions & Distance Limitations) 106.263 - Routine MSS 106.478 - Storage Tank and Change of Service	Add (3) 390K DEFR Tanks: 390-6010, 390-6011, 390-6012	6/13/2019
<b>157088</b>	106.478 - Storage Tank and Change of Service	Authorize 5 fixed roof tanks: 30-10, 30-13, 80-1, 80-2, 80-3	6/17/2019

## 1.5. Federal Permitting Review

The proposed project was evaluated to determine if Federal Prevention of Significant Deterioration (PSD) and/or Nonattainment New Source Review (NNSR) permitting requirements would be applicable. As discussed below, the project does not trigger PSD or NNSR permitting requirements.

### NNSR Applicability

The proposed project is located at an existing major source for ozone nonattainment pollutants NO<sub>x</sub> and VOC in the Houston-Galveston-Brazoria (HGB) area. The HGB area is currently designated as Moderate nonattainment for the 8-hour ozone standard. The following table compares the project emissions increase for NO<sub>x</sub> and VOC.

	NO <sub>x</sub> (tpy)	VOC (tpy)
<b>Total Increase</b>	-0.12	0.11
<b>Significance Level</b>	40	40

The increases in VOC and NO<sub>x</sub> emissions in the proposed project are less than the significance level of 40 tpy. Therefore, NNSR permitting requirements do not apply.

### PSD Applicability

PSD applicability review was performed for proposed project emissions increases of VOC, NO<sub>x</sub>, CO, SO<sub>2</sub> and PM<sub>10</sub>. The Houston Terminal is a “named source” as defined under 40 CFR Part 52.21(b)(1)(i), as a petroleum storage and transfer unit with a total storage capacity exceeding 300,000 barrels. Therefore, the PSD major source threshold is 100 tpy. The current sitewide emissions are greater than 100 tpy of VOC, therefore proposed project emissions increases were compared to the respective PSD significance thresholds to determine PSD applicability.

	NO <sub>x</sub> (tpy)	CO (tpy)	VOC (tpy)	SO <sub>2</sub> (tpy)	PM <sub>10</sub> (tpy)
<b>Total Increase</b>	-0.12	0.21	0.11	0.77	0.42
<b>Significance Level</b>	40	100	40	40	15

The proposed project emissions increases are each less than their significant emissions rate; therefore PSD permitting does not apply to the proposed project.

## **1.6. NAAQS Review**

There are no claimed PBR registrations that require a NAAQS compliance review.

## 1.7. Regulatory Analysis

This project to update boiler emissions at the Houston Terminal, as presented in this application, meets the TCEQ requirements to qualify for the PBRs referenced in Section 2.1. Checklists and supporting documentation have been provided in Section 2.11 for 30 TAC §106.4 and §106.183. As there is no applicable checklist, 30 TAC §106.263 requirements are discussed below.

The following state/federal regulations are applicable:

- **30 TAC §106.263, Routine Maintenance, Start-up and Shutdown of Facilities, and Temporary Maintenance Facilities.** Enterprise will comply with all requirements of this rule including:
  - Not authorizing the construction of any new or modified permanent facilities, reconstruction activities, de minimus facilities or sources, or piping fugitive emissions;
  - Only authorizing emissions associated with MSS activities that are planned and predictable to ensure continuous normal operation of a facility;
  - Documenting emissions from MSS activities will not exceed the reportable quantities as defined in 30 TAC §101.1(89);
  - Documenting total emissions covered by this PBR will be less than the emissions limits outlined under 30 TAC §106.4 in any rolling 12 month period; and
  - Maintaining the required records for each MSS event.
- **30 TAC Chapter 101, Subchapter H, Division 3, Mass Emissions Cap and Trade (MECT) Program.** The Houston Terminal is a major source of NO<sub>x</sub> and the boilers in the current authorization as well as the existing boilers are subject to 30 TAC Chapter 117, Subchapter B, Division 3. Therefore, MECT allowances will be obtained and surrendered as necessary based on actual emissions.
- **30 TAC §116.12, “Nonattainment Review Definitions” & FCAA, Part D (Nonattainment).** This facility is a major source for NO<sub>x</sub> and VOC but the emissions increases under this project do not constitute a new major stationary source or a major modification for NO<sub>x</sub> or VOC. See Section 2.4 for additional information.
- **30 TAC §117, Subdivision B, Division 3, “Houston-Galveston-Brazoria Ozone Nonattainment Area Major Sources.** This facility is a major source in the Houston-Galveston-Brazoria Ozone Nonattainment Area and will comply with all applicable requirements listed in this section.

- **30 TAC §122.10, “Federal Operating Permits”**. The facility meets the major source definition and will comply with all applicable Title V requirements.
- **40 CFR §51.166(b) (23), Prevention of significant deterioration (PSD) major modification**. The emissions increases authorized under this project do not constitute a new major stationary source or a major modification.
- **40 CFR 60, NSPS**. The facility will comply with all applicable provisions of the Federal Clean Air Act (FCAA) §111 for Federal New Source Performance Standards (NSPS contained in 40 CFR 60). The following NSPS are applicable to the facility:
  - All boilers were constructed or modified after June 9, 1989 and have a heat input greater than 10 MMBtu/hr and less than 100 MMBtu/hr
  - All boilers under this registration will be subject to the applicable requirements of NSPS Subpart Dc
- **40 CFR 61, NESHAPS**. The following National Emission Standards for Hazardous Air Pollutants (NESHAP) standards are applicable:
  - No applicable NESHAP standards
- **40 CFR 63, MACT**. The following maximum achievable control technology (MACT) standards are applicable:
  - The Houston Terminal is a major source of HAPs
  - All boilers authorized under this registration are subject to the applicable requirements of MACT Subpart DDDDD
- The site will comply with all rules and regulations of the TCEQ and with the intent of the Texas Clean Air Act (TCAA), including protection of public health and property. All emissions control equipment will be maintained in good condition and properly operated during plant operation; and,
- There are no claimed PBRs that require a NAAQS compliance review as provided in Section 2.6.

## 1.8. Emission Calculations

Emission calculations are based on the following:

- For the boiler emissions factors:
  - For NO<sub>x</sub>, CO, VOC, and PM<sub>10</sub> Manufacturer provided emissions factors
  - For SO<sub>2</sub>, calculated based on the sulfur limit as outlined in NSR Permit 5631 of 5 grains of total sulfur per 100 dscf of natural gas
- All boilers are assumed to operate 8,760 hours;
- For the boiler startup and shutdown emissions, a 50% safety factor was applied to all emission factors for startup and shutdown except:
  - Sulfur was excluded from the adjustment because the fuel sulfur content is not expected to change during startup and shutdown, and
- Each of the boilers was assumed to startup and shutdown four times per year with startup or shutdown taking four hours.

Sample calculations are provided for each source in the following calculation sheets.

## **1.9. Emissions Summary**





**Enterprise Products Operating LLC  
Houston Terminal  
Boiler Emissions (EPN S-23)**

EPN	Heat Input (MMBTU/Hr)	Fuel	Fuel Heat Content (BTU/Scf)	MMscf/hr	Op Hours	MMscf/yr
S-23	24.11	Natural Gas	1020	0,024	8,760	207.04

	Emissions Factor	Units
NOx	0.011	lb/MMBTU <sup>(1)</sup>
CO	0.038	lb/MMBTU <sup>(1)</sup>
VOC	0.004	lb/MMBTU <sup>(1)</sup>
PM10	0.0075	lb/MMBTU <sup>(1)(2)</sup>
SO2	5	gr/scf <sup>(2)</sup>

EPN	NOx		CO		VOC		SO2		PM <sub>10</sub>	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
S-23	0.25	1.11	0.90	3.96	0.09	0.38	0.34	1.48	0.18	0.79
<b>Total</b>	<b>0.25</b>	<b>1.11</b>	<b>0.90</b>	<b>3.96</b>	<b>0.09</b>	<b>0.38</b>	<b>0.34</b>	<b>1.48</b>	<b>0.18</b>	<b>0.79</b>

**Maximum Hourly Emissions**

$$\text{lb/hr} = \text{MMBtu/hr} \times \text{lb/MMBtu}$$

$$\text{lb/hr} = \frac{\text{MMBtu/hr}}{\text{Btu/scf}} \times \text{lb/MMscf}$$

**Annual Emissions**

$$\text{TPY} = \text{lb/hr} \times \text{Op Hours} / 2000$$

$$\text{SO}_2 \text{ lb/hr} = 5 \text{ gr}/100 \text{ scf} \times \text{MMBtu/hr} \times (\text{MMscf}/1020 \text{ MMBtu}) \times (1 \text{ lb}/7,000 \text{ gr}) \times 2 \text{ }^{(1)}$$

(1) Emissions factors are from the manufacturer's specifications

(2) PM10 is assumed to equal PM2.5

(3) The weight ratio of SO<sub>2</sub> created from Sulfur is 2:1; simplified to "2" in the SO<sub>2</sub> calculation



**Enterprise Products Operating LLC  
Houston Terminal  
Boiler EPN S-23**

**New Boilers Startup & Shutdown Emissions (MSS-02)**

EPN	Heat Input (MMBTU/Hr)	Fuel	Fuel Heat Content (BTU/Scf)	MMscf/hr	Startup/Shutdown Hrs/yr <sup>(1)</sup>	MMscf/yr
MSS-02	24.11	Natural Gas	1020	0.024	16	0.38

	Emissions Factor	Units
NOx	0.02	lb/MMBTU <sup>(2)</sup>
CO	0.06	lb/MMBTU <sup>(2)</sup>
VOC	0.0054	lb/MMBTU <sup>(2)</sup>
PM10	0.01125	lb/MMBTU <sup>(2)(3)</sup>
SO2	5	gr/scf <sup>(4)</sup>

EPN	NOx		CO		VOC		SO <sub>2</sub>		PM <sub>10</sub>	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
MSS-02	0.38	0.00	1.36	0.01	0.13	0.00	0.34	0.00	0.27	0.00
<b>Total</b>	<b>0.38</b>	<b>0.00</b>	<b>1.36</b>	<b>0.01</b>	<b>0.13</b>	<b>0.00</b>	<b>0.34</b>	<b>0.00</b>	<b>0.27</b>	<b>0.00</b>

**Maximum Hourly Emissions**

**Annual Emissions**

$$\text{lb/hr} = \text{MMBtu/hr} \times \text{lb/MMBtu}$$

$$\text{TPY} = \text{lb/hr} \times \text{Op Hours} / 2000$$

$$\text{lb/hr} = \frac{\text{MMBtu/hr}}{\text{Btu/scf}} \times \text{lb/MMscf}$$

$$\text{SO}_2 \text{ lb/hr} = 5 \text{ gr/100 scf} \times \text{MMBtu/hr} \times (\text{MMscf}/1020 \text{ MMBtu}) \times (1 \text{ lb}/7,000 \text{ gr}) \times 2$$

(1) Assumes each of the boilers is started up and shutdown a total of four times per year and each startup and shutdown occurs for four hours

(2) 50% Safety Factor applied to the Emissions Factors from the Manufacturer's Specifications to account for inefficient combustion during startup and shutdown

(3) PM10 is assumed to equal PM2.5

(4) Assumed fuel sulfur content will not change during startup and shutdown

**Enterprise Products Operating LLC  
Houston Terminal  
Project Emissions Increases**

	NOx		CO		VOC		SO <sub>2</sub>		PM <sub>10</sub>	
	TPY		TPY		TPY		TPY		TPY	
	Current	New	Current	New	Current	New	Current	New	Current	New
S-23	1.23	1.11	3.74	3.96	0.27	0.38	0.71	1.48	0.38	0.79
MSS-02	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Increase (1)</b>	<b>-0.12</b>		<b>0.21</b>		<b>0.11</b>		<b>0.77</b>		<b>0.42</b>	
<b>Significance Level</b>	<b>40</b>		<b>100</b>		<b>40</b>		<b>40</b>		<b>15</b>	

(1) Total project increase includes increases from S-23 only and does not include S-24 since S-24 was never actually constructed.



**Enterprise Products Operating LLC  
Houston Terminal**

**Boiler Emissions (EPNs S-11, S-12, S-13, S-16, S-17, S-18, S-20)**

EPN	Heat Input (MMBTU/Hr)	Fuel	Fuel Heat Content (BTU/Scf)	MMscf/hr	Op Hours	MMscf/yr
S-11	10.05	Natural Gas	1020	0.0099	8,760	86.31
S-12	10.05	Natural Gas	1020	0.0099	8,760	86.31
S-13	10.05	Natural Gas	1020	0.0099	8,760	86.31
S-16	10.05	Natural Gas	1020	0.0099	8,760	86.31
S-17	10.05	Natural Gas	1020	0.0099	8,760	86.31
S-18	10.05	Natural Gas	1020	0.0099	8,760	86.31
S-20	10.05	Natural Gas	1020	0.0099	8,760	86.31

	Emissions Factor	Units
NOx	0.28	lb/hr
CO	1.74	lb/hr
VOC	5.5	lb/MMscf
PM <sub>10</sub>	7.6	lb/MMscf
SO <sub>2</sub>	5	gr/scf

EPN	NOx		CO		VOC		SO <sub>2</sub>		PM <sub>10</sub>	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
S-11	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
S-12	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
S-13	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
S-16	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
S-17	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
S-18	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
S-20	0.28	1.23	1.74	7.62	0.05	0.24	0.14	0.62	0.07	0.33
<b>Total</b>	<b>1.96</b>	<b>8.58</b>	<b>12.18</b>	<b>53.35</b>	<b>0.38</b>	<b>1.66</b>	<b>0.99</b>	<b>4.32</b>	<b>0.52</b>	<b>2.30</b>

**Maximum Hourly Emissions**

**Annual Emissions**

$$\text{lb/hr} = \text{MMBtu/hr} \times \text{lb/MMBtu}$$

$$\text{TPY} = \text{lb/hr} \times \text{Op Hours} / 2000$$

$$\text{lb/hr} = \frac{\text{MMBtu/hr}}{\text{Btu/scf}} \times \text{lb/MMscf}$$

$$\text{SO}_2 \text{ lb/hr} = 5 \text{ gr S/100 scf} \times \text{MMBtu/hr} \times (10^6 \text{ scf/1020 MMBtu}) \times (1 \text{ lb/7,000 gr}) \times 2 \quad (1)$$

(1) The weight ratio of SO<sub>2</sub> created from Sulfur is 2:1; simplified to "2" in the SO<sub>2</sub> calculation



**Enterprise Products Operating LLC**  
**Houston Terminal**  
**Boiler EPNs S-11, S-12, S-13, S-16, S-17, S-18, S-20**  
**Existing Boilers Startup & Shutdown Emissions (EPN MSS-01)**

EPN	Heat Input (MMBTU/Hr)	Fuel	Fuel Heat Content (BTU/Scf)	MMscf/hr	Startup/Shutdown Hrs/yr <sup>(1)</sup>	MMscf/yr
MSS-01	10.05	Natural Gas	1020	0.0099	112	1.10

	Emissions Factor	Units
NOx	0.42	lb/hr <sup>(2)</sup>
CO	2.61	lb/hr <sup>(2)</sup>
VOC	8.25	lb/MMscf <sup>(2)</sup>
PM10	11.40	lb/MMscf <sup>(2)</sup>
PM2.5	11.40	lb/MMscf <sup>(2)</sup>
SO2	5	gr/scf <sup>(3)</sup>

EPN	NOx		CO		VOC		SO <sub>2</sub>		PM <sub>10</sub>	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
MSS-01	0.42	0.02	2.61	0.15	0.08	0.00	0.14	0.01	0.11	0.01
<b>Total</b>	<b>0.42</b>	<b>0.02</b>	<b>2.61</b>	<b>0.15</b>	<b>0.08</b>	<b>0.00</b>	<b>0.14</b>	<b>0.01</b>	<b>0.11</b>	<b>0.01</b>

**Maximum Hourly Emissions**

**Annual Emissions**

$$\text{lb/hr} = \text{MMBtu/hr} \times \text{lb/MMBtu}$$

$$\text{TPY} = \text{lb/hr} \times \text{Op Hours} / 2000$$

$$\text{lb/hr} = \frac{\text{MMBtu/hr}}{\text{Btu/scf}} \times \text{lb/MMscf}$$

$$\text{SO}_2 \text{ lb/hr} = 5 \text{ gr/100 scf} \times \text{MMBtu/hr} \times (\text{MMscf}/1020 \text{ MMBtu}) \times (1 \text{ lb}/7,000 \text{ gr}) \times 2$$

- (1) Assumes each of the seven boilers is started up and shutdown a total of four times per year and each startup and shutdown occurs for four hours
- (2) 50% Safety Factor applied to the Emissions Factors to account for inefficient combustion during startup and shutdown
- (3) Assumed fuel sulfur content will not change during startup and shutdown

**Enterprise Products Operating LLC  
Houston Terminal  
Overall Change in Authorized Emissions**

EPN	NOx		CO		VOC		SO2		PM	
	TPY		TPY		TPY		TPY		TPY	
	Current	New	Current	New	Current	New	Current	New	Current	New
S-10	0.62	0.00	3.82	0.00	0.12	0.00	0.31	0.00	0.17	0.00
S-11	0.62	1.23	3.82	7.62	0.12	0.24	0.31	0.62	0.17	0.33
S-12	0.62	1.23	3.82	7.62	0.12	0.24	0.31	0.62	0.17	0.33
S-13	0.62	1.23	3.82	7.62	0.12	0.24	0.31	0.62	0.17	0.33
S-14	0.62	0.00	3.82	0.00	0.12	0.00	0.31	0.00	0.17	0.00
S-15	0.62	0.00	3.82	0.00	0.12	0.00	0.31	0.00	0.17	0.00
S-16	0.62	1.23	3.82	7.62	0.12	0.24	0.31	0.62	0.17	0.33
S-17	0.62	1.23	3.82	7.62	0.12	0.24	0.31	0.62	0.17	0.33
S-18	0.62	1.23	3.82	7.62	0.12	0.24	0.31	0.62	0.17	0.33
S-19	1.23	0.00	4.60	0.00	0.24	0.00	0.62	0.00	0.33	0.00
S-20	1.23	1.23	4.60	7.62	0.24	0.24	0.62	0.62	0.33	0.33
S-21	1.23	0.00	4.60	0.00	0.24	0.00	0.62	0.00	0.33	0.00
S-22	1.23	0.00	4.60	0.00	0.24	0.00	0.62	0.00	0.33	0.00
S-23	1.23	1.11	3.74	3.96	0.27	0.38	0.71	1.48	0.38	0.79
MSS-01	0.02	0.02	0.15	0.15	0.00	0.00	0.01	0.01	0.01	0.01
MSS-02	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Increase (1)</b>	<b>-2.03</b>		<b>0.80</b>		<b>-0.27</b>		<b>-0.18</b>		<b>-0.14</b>	

(1) Total increase includes increases from S-23 only and does not include S-24, since S-24 was never actually constructed.

### **1.10. Equipment Spec Sheet(s)**

The following spec sheets were provided by the boiler manufacturer. This represents the specifications for the new boiler (EPN S-23).

**CleaverBrooks®**



# Proposal

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## **600 HP Boiler Room Expansion For Enterprise Products, Houston, Texas**

**To: Alexander Harris  
15602 Jacintoport Blvd  
Houston, Texas 77015**

**By: Billy Steele**

**C-B Sales and Service  
2403 Appelt Dr.  
Houston, Texas 77015**

**[bsteele@cbservice.com](mailto:bsteele@cbservice.com)**



# Non-Condensing Economizer Data

Proposal Number: 19772181 / Proposal Date: 08/12/19

Job Name: 600 hp boiler / Project Name: 600 hp boiler

BOILER & ECONOMIZER APPLICATION DATA	
<b>Boiler Application Data</b>	
Boiler Description:	CBLE-700-600-150ST
Primary Fuel Type:	Natural Gas
Secondary Fuel Type:	None
Design Pressure [psig]:	150ST
Operating Pressure [psig]:	85
Emissions Level (Natural Gas) [ppm]:	15 - 9
Ambient Reference Temperature [°F]:	80
Ambient Relative Humidity [%]:	30
Feedwater Temperature [°F]:	227
Maximum Allowable Pressure Drop [in. w.c.]:	0.5
<b>Economizer Application Data</b>	
Non-Condensing Economizer Model:	CRE-30H6.0AL-STD/CFG (Quantity: 1)
Overall Configuration [in]:	43 x 52
Overall Height [in]:	68.3 (with Transitions)
Flue Gas Vent Connection Size [in]:	24
Liquid Connection Size [in]:	2
Tube Construction:	316L SS Tube w/Al-Fuse Fin
Feedwater Control:	Modulating - Continuous Pumps
Flue Gas Flow Direction:	Vertical
Maximum Flue Gas Enter Temperature [°F]:	750
Design Temperature [°F]:	600
Design Pressure [psig]:	300
Hydrostatic Test Pressure [psig]:	450
Dry Weight [lb]:	1775.4
Wet Weight [lb]:	1850
Surface Area [ft <sup>2</sup> ]:	636

BOILER & ECONOMIZER PERFORMANCE DATA (ESTIMATED)				
Load of Maximum Output [%]:	100	75	50	25
Flue Gas (Stack) Temperature [°F]:	353	341.26	332.78	321.04
Flue Gas Flow Rate (Natural Gas) [scfm]:	5135	3842	2561	1391
Excess Air [%]:	25	25	25	35
Flue Gas Exit Temperature (Natural Gas) [°F]:	290	282	276	268
Flue Gas Pressure Drop (Natural Gas) [maximum in. w.c.]:	0.48	0.27	0.12	0.04
Feedwater Temperature [°F]:	227	227	227	227
Feedwater Flow Rate [gpm]:	41.4	31	20.7	10.4
Liquid Exit Temperature (Natural Gas) [°F]:	246	245	245	245
Liquid Pressure Drop [psig]:	< 1	< 1	< 1	< 1
Heat Recovered (Natural Gas) [MBTU/hr]:	385	270.3	174.7	88.4
Efficiency w/o Economizer (Natural Gas) [%]:	83.1	83.3	83.3	82.6
Efficiency w/ Economizer (Natural Gas) [%]:	84.7	84.8	84.7	84
Efficiency Gain (Natural Gas) [%]:	1.6	1.5	1.4	1.4

Product Model: CBLE-700-600-150ST (460/3/60) ---9 ppm--STD/CFG		
Item	Qty.	Description
#1	1	Cleaver-Brooks Model: CBLE-700-600-150ST(460/3/60) 20700 lbs/hr output (from and at 212F). Minimum of 50 degree Combustion Air REQUIRED. Operating Pressure: 85 psig.  Fuel Series: 700 - Gas First Gas Fuel: Natural Gas (Specific Gravity=0.6); Gas Train Type: Siemens Gas Train Site Pressure: 5 psig Gas Train Size: 3"  Job Site Altitude: 700ft 50hp Blower Motor  Insurance Requirements: GE-GAP (NFPA-85)  Configuration Check: Standard Selections  User Description Info.:
#2	1	Product Pricing Basis: Pricing valid for 30 days. Expiration: 9/13/2019.
#3	1	The CBLE Boiler includes a UL Label
#4	1	Firetube Manuals (3): (CB Model CB Packaged Boilers 400-800 HP/////FARC System Display/////CB780E/784E Burner Control & Operating Info//)
#5	1	Fuel Series: 700 - Gas
#6	1	Horsepower - 600 HP
#7	1	Pilot Type: Gas
#8	1	Emission Level: 9 ppm NG
#9	1	Boiler Safety Valve Setting: 150 lb. ST
#10	1	Steam Nozzle - Size: 8"Flanged 300lb. R.F.
#11	1	Feedwater Connection: 2.5 inch / NPT
#12	1	Surge Load Baffle - 600HP
#13	2	Quick Blowdown Valve: Sliding Disk, 2" NPT, 200lb.
#14	1	Slow Blowdown Valve: Y, 2", NPT, 200lb., Single Seat
#15	1	Factory Blowdown Valve Piping for 2 Quick / 1 Slow
#16	1	Chemical Feed Stop Valve: Mounted and Piped: 3/4 inch, 600 psi Steel Globe Valve
#17	1	Steam Header Valve: 6in. Cast Steel, 300lb FlangedQTY: 1 Valve(s) per Boiler
#18	1	Feedwater Globe Valve: 2 NPT Steel Valve (Design Pressure - 150ST)
#19	1	Feedwater Check Valve: 2 NPT Steel Valve (Design Pressure - 150ST)
#20	1	Factory Feedwater Piping: 2" Globe, Check, 3-Valve Bypass Piping
#21	1	Non-Return Valve: 6in. - Iron 250lb Angle 2:1
#22	1	Steam Header Spool Piece (for NR Valve): 8x6x48
#23	1	Free Blow Drain Valve, 1/2 inch Gate Type, 800CL Forged Steel- Mount to Non-Return Valve
#24	1	Hydrostatic Test and Certification of Boiler External Piping
#25	1	Substitute Main LWCO: McD-M 193-7B Prop. Float - Modulating / Proportional in lieu of standard Level Master
#26	1	Substitute Aux Low Water Cut-off - McD-M 150 Float in lieu of standard Warrick 3C2
#27	1	FW Control System: Worcester Modulating Linkage Controlled Model 4446PMS ; 0-135 ohm; Valve Size: 1 in.; FW Temp: 227 F; Pressure Drop: 15 psi; Op. Press: 85psi; Valve Flow: 48.8gpm; Cv Value: 32; Max. Close Off: 250 psi
#28	1	Vent Stub Extension: 12 inch.: 400-800HP 2000lbs.
#29	1	Surface Blowdown Stop Valve: Mounted and Piped (300 psi) Included with Metering Valve, Sample Cooler, and/or Surface Blowdown System.



# Quote Summary

Proposal Number: 19772181 / Proposal Date: 08/12/19  
 Job Name: 600 hp boiler / Project Name: 600 hp boiler

#30	1	Surface Blow Off Metering Valve (600 psi Steel Velan Flow Control Valve): 3/4" Fig. S04-2014, 300HP and Larger (Mounted)
#31	1	Low Fire Hold Aquastat: High Press. Steam w/o Weatherproof
#32	1	Standard Combustion Safeguard Control CB-780E, UV Scan (Honeywell)
#33	1	Parallel Positioning System: F.A.R.C. System
#34	1	F.A.R.C. Configuration Display (Mount Touch Screen)
#35	1	Natural Gas-3in.-Siemens Gas Train (Standard - 2-2.5 in.)
#36	1	Main Gas Pressure Gauge (Mounted) - Included Per Insurance
#37	1	Pilot Gas Strainer (100 Mesh Basket - Shipped Loose): 1/2 RP & C, Cast Iron, Y Type
#38	1	Second Gas Pilot Valve (piped in series) - Included per Insurance
#39	1	Normally Open Solenoid Vent Valve, Pilot Gas Line, 3/4in. - Included per Ins.
#40	1	Premium Blower Motor - Std
#41	1	Alarm Device - Electric Sounder
#42	1	Optional Light Package: 50-800HP Oil-Tite Lights ( Low Water, Flame Failure, Load Demand, Main Fuel Valve)
#43	1	Control and Entrance Panel: Centre Panel (Nema 4/12) Overall Rating of Finished Panel may Change Depending on Firetube Options selected.
#44	1	NFPA-85: 600HP-Gas
#45	1	Start-up
#52	1	Submittals - Dimensional Diagram (Firetube)
#53	1	Submittals - Wiring Diagram (Firetube)
#54	1	Submittals - Test Fire Report (Firetube)
#55	1	Submittals - ASME Data Report (Firetube)

## Product Model: CRE-30H6.0AL-STD/CFG

Item	Qty.	Description
#56	1	<p><b>STANDARD ECONOMIZER INFORMATION:</b>  <b>Model:</b> CRE-30H  <b>Fin Spacing:</b> 6.0  <b>Tube Construction:</b> 316L SS Tube w/Al-Fuse Fin  <b>Configuration:</b> STD  <b>L x W x H (w/ Transition) [in.]:</b> 43 x 52 x 68.3  <b>Dry (Wet) Weight [lb.]:</b> 1775.4 (1850)  <b>Design Pressure [psig]:</b> 300  <b>Test Pressure [psig]:</b> 450 psig  <b>Design Temperature [deg F]:</b> 600  <b>Max Temperature [deg F]:</b> 750  <b>Fireside Gas Pressure Drop [in. w.c.]:</b> 0.48  <b>Waterside Pressure Drop [psig]:</b> &lt; 1</p> <p><b>BOILER APPLICATION INFORMATION:</b>  <b>Firetube Boiler Model:</b> CBLE-700-600-150ST  <b>Design Pressure [psig]:</b> 150ST  <b>Operating Pressure [psig]:</b> 85  <b>Emissions Level (Natural Gas) [ppm]:</b> 15 - 9  <b>Ambient Reference Temperature [deg F]:</b> 80  <b>Ambient Relative Humidity [%]:</b> 30  <b>Feedwater Temperature [deg F]:</b> 227  <b>Maximum Allowable Pressure Drop [in. w.c.]:</b> 0.5  <b>Flue Gas (Stack) Temperature [deg F]:</b> 353  <b>Flue Gas Vent Size [in.]:</b> 24  <b>Stack Height [ft.]:</b> 25  <b>Stack Construction:</b> Insulated  <b>Stack Temperature Target [deg F]:</b> 290 - 310 Deg. F (84.5 - 85)  <b>Exhaust Flow Direction:</b> Vertical</p>
#57	1	Product Pricing Basis: Pricing valid for 30 days. Expiration: 9/13/2019.



# Quote Summary

Proposal Number: 19772181 / Proposal Date: 08/12/19  
 Job Name: 600 hp boiler / Project Name: 600 hp boiler

#58	1	Std Economizer Manuals (1): (Standard Economizer)
#59	1	ASME Nat'l Board "UM" (Standard)
#60	2	Mating Flange: pattern: 24in. Dia.
#61	2	Mating Flange Gasket: pattern: 24in. Dia.
#62	2	Flue Gas Thermometer: 3" Dial, 150 - 750 Deg. F: (shipped loose)
#63	2	Liquid Thermometer: 3" Dial, 50-500, w/well: (shipped loose)
#64	1	Quantity (1) Pressure Relief Valve: 300 psig, 3/4" NPT: (shipped loose)
#65	1	Submittals - Dimensional Diagram (Standard Economizer)

**Product Model: FW(IND)SM-100-2200-BASE(460/3/60**

Item	Qty.	Description
#66	1	<p><b>Cleaver-Brooks Model:</b> FW(Individual)SM-100-2200-BASE(460/3/60  <b>System Information:</b>            Project Market: United States            Application Environment: Indoor - Typical Boiler Room            Project NEMA Rating: NEMA 1            Feedwater Components: Tank, Controls (Trim), Stand, Pump</p> <p><b>Boiler System Information:</b>            Number of Boiler Sets: 2            Feedwater / Transfer Tank Size Based on Total Boiler Horsepower            System Voltage: 460/3/60            Customer Voltage: 480            Boiler Set 1: (6) 300 HP Boilers Operating at 80 psig with 150 Safety Valve Setting            Boiler Set 2: (1) 600 HP Boilers Operating at 80 psig with 150 Safety Valve Setting</p> <p><b>Feedwater Water Source Information:</b>            Feedwater Primary Water Source: Condensate at 20 psig            Low Condensate Return Flow: 50 Percent at 175 F            High Condensate Return Flow: 0 Percent at 233 F            Feedwater Secondary Water Source: MakeUp at 50psig            Make Up Flow Entered: 50 Percent at 80 F</p> <p><b>Feedwater Tank Information:</b>            Model: Spraymaster            Tank Size: 2200 Gallons (10 mins of Storage)            Spray Size: 100            Pump Control Type: Manual            Controls Package: Base</p>
#67	1	Product Pricing Basis: Pricing valid for 30 days. Expiration: 9/13/2019.
#68	1	Feedwater Tank Material - A36 Carbon Steel 2200gal 50 lb ASME Stamp (Operating Pressure: 5 psi)
#69	1	Feedwater Tank Construction - A36 Carbon Steel
#70	1	Feedwater Tank Manway: 20in (SA106)
#71	1	Feedwater Packaging: Full
#72	1	Feedwater Magnesium Anode: 18in
#73	1	Feedwater Chemical Feed Quill (316SS)
#74	1	Feedwater Make Up Tee and Check Valve (304SS) - 2.5in.
#75	1	3" Feedwater Overflow Drainer (Warren)
#76	1	Feedwater Tank Drain Valve: 2"
#77	1	PWS Tanks Pump Piping Stand
#78	1	Feedwater System 1 Suction Tapping: 6in 150lb Flange
#79	2	Feedwater System 2 Recirculation Tapping: 1in NPT



# Quote Summary

Proposal Number: 19772181 / Proposal Date: 08/12/19  
 Job Name: 600 hp boiler / Project Name: 600 hp boiler

#80	6	Feedwater System 1 Pump Model: CR5-14K (TEFC) Pumpset Information: (6) - 1 Pump Per Boiler Pump Info: Connection Size: 1.25in; Min Flow: 7.5; Flow: 31.305; Design Head: 316.11 ft; Dead Head: 452.5 ft; Motor Size: 5HP; NPSHr: 4.11
#81	6	Feedwater System 1 Suction Piping: 2in Class: 125 Type: Carbon Steel
#82	6	Feedwater System 1 Suction Piping Pressure Gauge: Dry
#83	1	Feedwater Suction Manifold Includes Emergency Isolation Valve 6in Class: 150 Type: Carbon Steel
#84	2	Feedwater System 2 Pump Model: CR15-5K (TEFC) Pumpset Information: (2) - 1 Pump w/ 1 Pump Backup, Continuous , 15 psig allowance for Economizer Pump Info: Connection Size: 2in; Min Flow: 22.5; Flow: 70.11; Design Head: 316.11 ft; Dead Head: 346.2 ft; Motor Size: 15HP; NPSHr: 3.93
#85	2	Feedwater System 2 Suction Piping: 2.5in Class: 125 Type: Carbon Steel
#86	2	Feedwater System 2 Suction Piping Pressure Gauge: Dry
#87	1	Feedwater Stand Height: 7 ft Construction: Stand Material
#88	1	Feedwater Level Control Transmitter Type: McDM93-7B Float ( )
#89	1	Feedwater Secondary MakeUp Valve: 1 1/2 Siemens 599 Sizing Info: Based on Full System Flow equates to 144.7 gpm
#90	1	Feedwater Level Indication: Gauge (Length: 66in)
#91	1	Feedwater Low Water Cut Off and Alarm: Nema 1 Switch
#92	1	PRV (FULL CAPACITY): 3" SPENCE ED-250psig Sizing Information: Required Capacity: 7653.3pph based on Steam Supply Pressure: 80psi and Steam Supply Safety Valve Setting: 150psi
#93	1	Safety Valve #1: 3 M" Kunkle, NPT Tank Connection
#94	1	Safety Valve #2: 2 J" Kunkle, NPT Tank Connection
#95	1	Safety Valve #3: 2 J" Kunkle, NPT Tank Connection
#96	1	Feedwater Entrance Panel Enclosure: NEMA 1
#97	1	Feedwater Control Circuit Transformer Rating: 0.3kVA
#98	1	Feedwater Main Power Distribution: Un Fused Disconnect 100AMPS NEMA 1 (FW Main Power Distribution Panel)
#99	6	Feedwater System 1 Individual Power Distribution: Fused 30AMPS (FW Entrance Panel - NEMA 1)
#100	6	Feedwater System 1 Motor Starter: Contactor (9 AMPS) (FW Entrance Panel)
#101	2	Feedwater System 2 Individual Power Distribution: Fused 30AMPS (FW Entrance Panel - NEMA 1)
#102	2	Feedwater System 2 Motor Starter: Contactor (23 AMPS) (FW Entrance Panel)
#103	1	Feedwater Audible Alarm: Electronic Sounder
#104	1	Feedwater Audible Alarm Silence Switch for Electronic Sounder
#105	8	Feedwater Pump Run Light: Green
#107	1	Feedwater Startup
#108	1	Feedwater Tank Manuals (1): (Spraymaster Boilermate DA O&M//)
#109	1	Submittals - Dimensional Diagram (Feedwater Tank)
#110	1	Submittals - Wiring Diagram (Feedwater Tank)
#111	1	Submittals - ASME Data Report (Feedwater Tank)

Item	Qty.	Product Model	PTC (USD)
#1	1	CBLE-700-600-150ST (460/3/60) ---9 ppm--STD/CFG	\$224,691.00
#56	1	CRE-30H6.0AL-STD/CFG	\$18,929.00
#66	1	FW(IND)SM-100-2200-BASE(460/3/60	\$128,102.00
<b>Subtotal Price to Customer (USD):</b>			<b>\$371,722.00</b>
<b>Freight (EXW - Ex Works Factory) Cost (USD):</b>			<b>Included</b>
<b>Total Price to Customer (USD):</b>			<b>\$371,722.00</b>

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### CLEAVER-BROOKS OFFERING

Cleaver-Brooks offers to furnish the Equipment described herein for the purchase price noted, exclusive of all taxes. Prices quoted are firm for 30 days from the date of Proposal subject to adjustment as noted. Standard Cleaver-Brooks payment terms are unconditional net 30 from the date of readiness for shipment or unless otherwise specified in this Proposal. Cleaver-Brooks will review your order prior to acceptance (and acknowledgment) and order entry. Until acceptance and order entry, the Equipment is subject to prior sale. Incorporation of technical specifications or requirements different from or additional to the Cleaver-Brooks Proposal and not previously reviewed by Cleaver-Brooks will extend the order review process and may postpone or prevent acceptance of your order and order entry. Cleaver-Brooks does not agree and will not agree to INCIDENTAL, CONSEQUENTIAL AND LIQUIDATED DAMAGES OR IMPLIED WARRANTIES. Cleaver-Brooks does not agree and will not agree to, unless specifically set forth in an agreement in writing having an authorized Cleaver-Brooks signature: (1) terms and conditions in your order that are different from or additional to those of Cleaver-Brooks' Proposal; (2) technical specifications, technical requirements or descriptions of the goods and services ordered that are different from or additional to those of Cleaver-Brooks' Proposal; or (3) generalized expressions such as "per plans and specifications."



# Quote Summary

Proposal Number: 19772181 / Proposal Date: 08/12/19

Job Name: 600 hp boiler / Project Name: 600 hp boiler

### CLEAVER-BROOKS PRICE ADJUSTMENT POLICY

The price quoted in the Company's Proposal is firm for thirty (30) days from the Proposal date if shipment of the Equipment is made within six (6) months from the date of the Company's Proposal or the Company's contract document if no Proposal was issued. If the Equipment is not shipped within such six (6) months, the contract price shall be increased by one percent (1%) for each thirty (30) days or fraction thereof that shipment is deferred beyond six (6) months from the date of the Company's Proposal or contract document.

#### PROPOSED PAYMENT TERMS

Amount At or Exceeds \$250,000: Yes

Payment Terms: Progress Payments

Terms Description:

Note: May require Cleaver-Brooks review if other than 20%/30%/50% referenced in ¶ 1(a).

#### PROPOSED SHIPPING TERMS

EXW – Ex Works Factory

CIP – Carriage and Insurance Paid to

OTHER: \_\_\_\_\_

Freight Allowed To Location: \_\_\_\_\_

Note: Freight unloading by others.

#### BUYER OF CLEAVER-BROOKS EQUIPMENT

#### CLEAVER-BROOKS SALES REPRESENTATIVE

Buyer Representative Printed Name

Billy Steele

Sales Representative Printed Name

Buyer Representative/Company Name

C-B Sales and Service

Sales Representative/Company Name

United States

2403 Appelt Dr.  
Houston, TX 77015  
United States

Sales Representative/Company Address, State/Province, Area Code, and Country

Buyer Representative/Company Address, State/Province, Area Code, and Country

Buyer Representative/Company Phone Number

(281) 830-0107

Sales Representative/Company Phone Number

Buyer Representative/Company Email Address

bsteale@cbservice.com

Sales Representative/Company Email Address

Buyer Representative Signature

*Billy Steele*

Sales Representative Signature

Date Accepted (MM/DD/YYYY)

8 / 13 / 2019

Date (MM/DD/YYYY)

### CLEAVER-BROOKS TERMS AND CONDITIONS OF SALE ON NEXT PAGE



# Terms and Conditions of Sale

Date Revised: April 9, 2018

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## CLEAVER-BROOKS, INC. GENERAL TERMS AND CONDITIONS OF SALE

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### 1. OFFER AND CONTRACT

- (a) Through its proposal (the "Proposal") Cleaver-Brooks, Inc. (the "Company") offers to sell its products, systems or parts (the "Equipment") for the purchase price (the "Purchase Price") on these terms and conditions of sale.
- (b) UPON WRITTEN ACCEPTANCE OF THE PROPOSAL BY THE BUYER, THE PROPOSAL AND THESE TERMS CONSTITUTE THE COMPLETE AGREEMENT BETWEEN THE COMPANY AND THE BUYER ("THIS AGREEMENT"). ANY ADDITIONAL OR DIFFERENT TERMS ARE REJECTED UNLESS AGREED TO BY THE COMPANY IN A SIGNED AMENDMENT AFTER REVIEW AT THE PRODUCT GROUP HOME OFFICE.
- (c) Except as indicated below, this **Proposal is valid for thirty (30) days** subject to written withdrawal by the Company at any time prior to receipt of written acceptance by the Buyer
- (d) The Purchase Price and any delivery dates of this Proposal are **subject to prior sales that occur before written acceptance by the Buyer and increased material costs.**
- (e) Orders received are scheduled for production as proposals are accepted in writing by the Buyer.
- (f) If at the time the Product Group home office receives a written acceptance of a proposal, and the then available production lead time at the Product Group manufacturing location does not allow for shipment within the number of weeks offered in the Proposal, then the Purchase Price and any delivery dates shall be adjusted based upon the next available production and delivery dates.

### 2. TERMS AND PRICES

- (a) Standard terms of payment are thirty (30) days net from the date of invoice for completion of performance milestones for payment, including readiness of the Equipment for shipment. Partial shipments of units under multiple unit orders shall be invoiced and paid separately. The Company will waive lien rights and release payment claims to the extent of payments received. The Company may require a letter of credit from the Buyer.
- (b) Any excise, sales, privilege, use or any other local, state, or federal taxes which the Company may be required to pay, arising from the sale, delivery, or use of the Equipment and any applicable prepaid freight, will be added to the Purchase Price and invoiced separately.
- (c) If the Buyer requests changes in scope or schedule, or if the Buyer delays production or shipment of the Equipment, the Purchase Price and any delivery dates shall be equitably adjusted to reflect changes caused thereby.
- (d) Availability and costs of any proposed surety bonding (or other financial securities) are determined by providers thereof at the time of award and the costs of such surety bonding shall be added to the Purchase Price. The Company does not commit to provide a particular financial security. All financial securities issued will be subject to agreed expiration dates, and reduce in amount as performance milestones are accomplished.
- (e) The Buyer shall pay **interest on all late payments** at the lesser rate of 1.5% per month or the highest rate permissible under applicable law, calculated daily and compounded monthly.
- (f) The Buyer shall reimburse the Company for all costs incurred in collecting any late payments, including, without limitation, attorney's fees.
- (g) The Buyer shall not withhold payment of any amounts due and payable by reason of any set-off of any claim or dispute with the Company, whether relating to the Company's breach, bankruptcy, or otherwise. The Company shall not be liable for any claim by the Buyer unless and until such claim is finally adjudicated through the dispute resolution process.
- (h) The Purchase Price is subject to increase before written acceptance of the Proposal by the Buyer based upon an increase of the CRU USA Midwest FOB Mill index.
- (i) In addition to all other remedies available under this Agreement or at law (which the Company does not waive by the exercise of any rights hereunder), the Company shall be entitled to suspend the manufacture and/or delivery of any Equipment if the Buyer fails to pay any Company invoice within thirty (30) days of the date of the invoice.

### 3. DELIVERY

- (a) Unless otherwise offered in this Proposal, delivery is Ex Works (INCOTERMS 2010), at the Product Group manufacturing location ("the Delivery Point").
- (b) The estimated shipment date is based upon timely receipt by the Company of **Buyer's applicable information**, and of **Buyer's written approval**, or detailed exceptions to, the Company's general arrangement drawings within ten (10) business days of receipt.
- (c) If the **Buyer requests to defer delivery** dates by a written request adequate to support GAAP requirements for revenue recognition by the Company, or if the Buyer fails to promptly accept the Equipment tendered for delivery, or shipment of the Equipment is otherwise delayed by causes beyond the Company's reasonable control, the following conditions shall apply: (i) payments due upon shipment (or "delivery") shall be invoiced, due and payable upon "readiness to ship;" (ii) all financial securities required of the Company shall be released based upon "readiness to ship", (iii) the Buyer shall pay reasonable storage and handling charges incurred by the Company on the Buyer's behalf in the circumstances; (iv) risk of loss shall transfer to the Buyer upon "readiness to ship;" (v) the Buyer shall be responsible for insuring the Equipment, and (vi) the Buyer shall inspect at delivery and give notice as soon as practical of any loss, damage or shortage evident by visual inspection and quantity count.

### 4. TITLE AND RISK OF LOSS

- (a) Title and risk of loss passes to the Buyer upon the Company's delivery of the Equipment to the Delivery Point. If for any reason the Buyer (or the Buyer's transporting carrier) fails to accept delivery of the Equipment on the date on which the Equipment has been delivered to the Delivery Point or if the Company is unable to ship the Equipment because the Buyer (or the Buyer's transporting carrier) has not provided appropriate instructions, documents, licenses or authorizations: (i) risk of loss to the Equipment shall pass to the Buyer; (ii) the Equipment shall be deemed to have been delivered.
- (b) As collateral security for the payment of the Purchase Price of the Equipment, the Buyer hereby grants to the Company a lien on and security interest in and to all of the right, title and interest of the Buyer in, to and under the Equipment, wherever located, and whether now existing or hereafter arising or acquired from time to time, and in all accessions thereto and replacements or modifications thereof, as well as all proceeds (including insurance proceeds) of the foregoing. The security interest granted under this provision constitutes a purchase money security interest under the Georgia Uniform Commercial Code.

### 5. LIMITATION OF LIABILITY; LIMITED WARRANTY; WARRANTY DISCLAIMER

- (a) THE COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMIT LOSS PROFITS, PRODUCTIVITY LOSSES, ECONOMIC LOSSES, OR BUSINESS DOWNTIME) OR FOR ANY SUCH LOSS, DAMAGE, EXPENSE, DIRECTLY OR INDIRECTLY ARISING FROM THE USE OF THE EQUIPMENT, SERVICES, SPARE OR REPLACEMENT PARTS, OR FROM ANY OTHER CAUSE WHETHER BASED IN WARRANTY, NEGLIGENCE, TORT, CONTRACT OR OTHERWISE, AND REGARDLESS OF ANY ADVICE OR RECOMMENDATION THAT MAY HAVE BEEN RENDERED CONCERNING THE PURCHASE, INSTALLATION OR USE OF THE EQUIPMENT, SERVICES, SPARE OR REPLACEMENT PARTS WHETHER OR NOT HAVING BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
- (b) THE BUYER HEREBY RELEASES THE COMPANY OF ANY SUCH LIABILITY AND COVENANTS NOT TO SUE THE COMPANY FOR ANY SUCH DAMAGES.



# Terms and Conditions of Sale

Date Revised: April 9, 2018

- 71 (c) IN NO EVENT SHALL THE COMPANY'S AGGREGATE LIABILITY UNDER ANY CIRCUMSTANCES EXCEED AN AMOUNT EQUAL TO THE  
72 PURCHASE PRICE OF THE EQUIPMENT.
- 73 (d) The Company warrants that at the time of delivery the Equipment will conform to the Company's applicable specifications and to such contract  
74 specifications as are agreed to by the Company.
- 75 (e) The warranty runs for a period of twelve (12) months from the **date of initial operation** but no more than eighteen (18) months from **date of shipment**  
76 for any part or parts of the Equipment, or within one (1) year of shipment for any spare parts shipped under an Equipment order.
- 77 (f) **The Buyer must make any warranty claim by written notice** to the Product Group home office within thirty (30) days of the discovery of any defect  
78 or the claim is deemed waived.
- 79 (g) The Company reserves the right to analyze claimed defects (including return to the manufacturing location, transportation prepaid, for inspection, if  
80 required by the Company). The Company, at its option, shall repair or replace defective parts which the Company deems to be defective, Ex Works  
81 (INCOTERMS 2010) at the Product Group manufacturing location, **but shall not install or be liable for the installation of such parts.**
- 82 (h) Expenses incurred by the Buyer in replacement, repair or return of the Equipment, or of any parts, will only be reimbursed if preauthorized by the  
83 Company.
- 84 (i) This warranty is the **Buyer's exclusive remedy** and the extent of the Company's liability for breach of warranties, representations, instructions, or for  
85 defects in connection with the sale or use of the Equipment.
- 86 (j) **Warranty adjustments or replacements shall not extend the initial warranty period.**
- 87 (k) THE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, ORAL, EXPRESS, OR IMPLIED, INCLUDING WITHOUT  
88 LIMIT WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE EQUIPMENT. THERE ARE NO EXPRESS WARRANTIES OTHER  
89 THAN THOSE CONTAINED IN PARAGRAPH 5 ("LIMITATION OF LIABILITY; LIMITED WARRANTY; WARRANTY DISCLAIMER") AND TO THE  
90 EXTENT PERMITTED BY LAW THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- 91 (l) **The warranty does not apply to:** expendable items; ordinary wear and tear; altered units; units repaired by persons not expressly approved by the  
92 Company; or, to damage caused by accident, the elements, abuse, misuse, temporary heat, overloading, erosive or corrosive substances, or the alien  
93 presence of oil, grease, scale, deposits or other contaminants.
- 94 (m) The warranty is conditioned upon the Equipment being properly installed, maintained and operated within its capacity, under normal load and service  
95 conditions, with competent, supervised operators and, if the Equipment uses water, with proper water conditioning.
- 96 (n) **Excluded from warranty** is damage resulting from any of: foaming caused by chemical conditions of the water; corrosion or caustic embrittlement; or  
97 improper or inadequate treatment of feedwater or conditioning of boiler water or the supply of improper or inadequate fuel. Preauthorized freight and/or  
98 labor for defective items will be reimbursed (exclusive of tasks normally performed as manufacturing location maintenance).
- 99 (o) **Warranty may be voided** by the Buyer's modifications or repairs if the Buyer proceeds without receiving the Company's technical advice. **Refractory**  
100 is inherently vulnerable to conditions of service and is warranted only to be installed as specified and the refractory is specifically excluded from any  
101 other warranty.
- 102 (p) The Equipment, accessories and other parts and components not manufactured by the Company are warranted only to the extent of and by the original  
103 manufacturer's warranty to the Company; in no event shall such other manufacturer's warranty create any more extensive warranty obligations of the  
104 Company to the Buyer than the Company's warranty covering the Equipment manufactured by the Company.
- 
- 105 **6. TERMINATION**
- 106 (a) **Orders are not cancelable.**
- 107 (b) In the event of termination prior to completion, the Buyer shall pay the Company's direct and indirect costs, expenses, overhead and reasonable profit  
108 for work performed and materials purchased. Materials paid for will be available "As Is" to the Buyer without warranty; however, partially completed  
109 products are not available for completion by others.
- 110 (c) If performance by the Company of this Agreement is prohibited or significantly restricted by any governmental agencies, or by laws, rules or regulations  
111 of any government, the Company, at its option, may cancel this Agreement without liability.
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# Terms and Conditions of Sale

Date Revised: April 9, 2018

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## CLEAVER-BROOKS, INC. GENERAL TERMS AND CONDITIONS OF SALE (continued)

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### 7. EXCUSED DELAY ("FORCE MAJEURE")

- (a) The Company shall not be liable for loss, damage, or failure to perform resulting from causes beyond the Company's reasonable control, or from strikes, labor difficulties, lockouts, acts or omissions of any governmental authority or the Buyer, insurrection, riot, war, fires, floods, Acts of God, breakdown of essential machinery, accidents, priorities or embargoes, tariffs, car and material shortages, delays in transportation or inability to obtain labor, materials or parts from usual sources. Any such delay shall be excused for the time reasonably necessary to compensate for the delay.
- (b) If performance by the Company of this Agreement is prohibited or significantly restricted by any governmental agencies, or by laws, rules or regulations of any government, the Company, at its option, may cancel this Agreement without liability.

### 8. INSURANCE

- (a) The Company provides certificates of insurance as required for work performed at the Product Group manufacturing location (workers compensation, commercial general liability, property). After the risk of loss of and damage to the Equipment passes to the Buyer and the Owner, until the Equipment is finally accepted and the Purchase Price is paid in full, and all obligations of the Company are concluded, the Buyer shall provide and maintain property, boiler and machinery and builders risk insurance in the names of the Buyer, the Owner and the Company, as their interests may appear, for the total value of the Equipment and for all work performed in the erection thereof, against risk of fire, lightning, windstorm, aircraft and explosion, including inherent dangers and boiler explosion. The proceeds of such insurance shall be applied first to the cost of repairing and replacing the Equipment and work destroyed or damaged.

### 9. BACKCHARGES

- (a) Items delivered by the Company may require work or revision after shipment, whether for repair of damage (transit, unloading, handling, or damage by other contractors), adaptation to site interface conditions with existing facilities or work of other contractors, or otherwise. If the Buyer notifies and informs the Company, the Company shall promptly advise the Buyer of the applicable standards or technical guidelines for such work, and the extent of the Company's other obligations, if any, with respect to such work. The Company will use its best efforts in the circumstances to assist the Buyer to obtain resources suitable for such work. Any work the Buyer intends to be done at the Company's expense requires the Company's prior approval as to: scope; identification of who will perform such work; applicable quality standards; arrangements for the time, place and urgency of such work; an agreed price or estimate of cost; and, the opportunity for the Company to have a representative in attendance. Costs claimed for work done without prior approval shall not be accepted as backcharges.

### 10. TECHNICAL SUPPORT

- (a) Start-up technical support, if provided by the Company, is technical advice only, and excludes on-site labor. Care, custody, control, and compliance on-site during installation and start up are the responsibility of the Buyer. Representatives of the Company are authorized only to advise and consult with the Buyer. No representative of the Company is authorized or licensed to operate the Equipment. All **preliminary operations** and demonstration of capacity and performance guarantees, if required, prior to final acceptance, shall be performed by the Buyer.

### 11. WORK BY OTHERS: ACCESSORY AND SAFETY DEVICES; USE BEFORE START UP

- (a) The Company is a supplier of the Equipment, and shall have no responsibility for labor or work of any nature relating to the installation or operation or use of the Equipment, all of which shall be performed by the Buyer or others. The Buyer shall furnish accessory and safety devices desired by it and/or required by law or OSHA standards for the Buyer's use of the Equipment. The Buyer shall install and operate the Equipment in accordance with all code requirements and other applicable laws, rules, regulations, ordinances, and Company's specifications, operating instructions, and manuals. If damage to the Equipment or other property or injury to persons is caused by use or operation of the Equipment prior to its being placed in normal operation ("Start up"), then the Buyer shall indemnify, defend, and hold the Company harmless from all resulting claims, damages, liability, costs and expenses.

### 12. COMPLIANCE WITH THE LAW

- (a) The Buyer shall comply with all applicable laws, regulations and ordinances.
- (b) The Buyer shall maintain in effect all the licenses, permissions, authorizations, consents and permits that it needs to carry out its obligations under this Agreement.
- (c) The Buyer shall comply with all export and import laws of all countries involved in the sale of the Equipment under this Agreement or any resale of the Equipment by the Buyer.
- (d) The Buyer assumes all responsibility for shipments of the Equipment requiring any government import clearance.
- (e) The Company may cancel this Agreement if any governmental authority imposes antidumping or countervailing duties or any other penalties on the Equipment.
- (f) If any changes are required in the Equipment to meet the approval of applicable authorities, the Buyer shall inform the Company of such changes and shall reimburse it for changes made to comply.

### 13. LIMITED LICENSE

- (a) The Buyer agrees that the Company has spent considerable time and money developing proprietary hardware and software components that are incorporated into the Equipment. Nothing in this Agreement is intended to grant or create any right or license to the Buyer to copy, reverse engineer, disclose, publish, distribute or alter any pre-existing software, patent rights, copyrights, trademarks or other intellectual property rights owned or controlled by the Company, except as necessary for the Buyer to use the Equipment in accordance with this Agreement.

### 14. CONFIDENTIAL INFORMATION

- (a) All non-public, confidential or proprietary information of the Company, including, but not limited to, specifications, samples, patterns, software, designs, patented and unpatented intellectual property, plans, drawings, documents, data, business operations, customer lists, pricing, discounts or rebates, disclosed by the Company to the Buyer, whether disclosed orally or disclosed or accessed in written, electronic or other form or media, and whether or not marked, designated or otherwise identified as "confidential," in connection with this Agreement is confidential, solely for the use of performing under this Agreement and may not be disclosed or copied unless authorized in advance by the Company in writing.
- (b) Upon the Company's request, the Buyer shall promptly return all documents and other materials received from the Company.
- (c) This Paragraph ("CONFIDENTIAL INFORMATION") does not apply to information that is: (i) in the public domain; (ii) known to the Buyer at the time of disclosure; or (iii) rightfully obtained by the Buyer on a non-confidential basis from a third party.
- (d) The Company shall be entitled to injunctive relief for any violation of this Paragraph ("CONFIDENTIAL INFORMATION").

### 15. INTELLECTUAL PROPERTY

- (a) The Company shall defend the Buyer in any suits instituted against the Buyer for infringement of any claim of any United States Patent covering solely the structure of the Equipment as originally manufactured by the Company per the Company's specifications, exclusive of combination or modification by the Buyer. This obligation applies, provided that the Buyer (i) gives the Company immediate notice in writing of any such claim or institution or threat of such suit; (ii) authorizes the Company to control settlement of the same, and (iii) gives all needed information, assistance and authority to enable the Company to do so. If the Company elects to defend any such suit and the structure of the said Equipment is held to infringe any such United States



# Terms and Conditions of Sale

Date Revised: April 9, 2018

- 182 Patent, and if the Buyer's use thereof is enjoined, the Company shall, at its expense and at its option: (i) obtain for the Buyer the right to continue using  
183 the Equipment, (ii) supply non-infringing Equipment for installation by the Buyer, (iii) modify the Equipment so that it becomes non-infringing, or (iv)  
184 refund the then market value of the Equipment.
- 185 (b) To the extent arising from the Company incorporating a design or modification requested by the Buyer, the Buyer shall defend and indemnify the  
186 Company against all expenses, costs, and loss by reason of any real or alleged infringement.
- 187 (c) The Company's proposal, the resultant contract, and all **proprietary or confidential information** exchanged between the Company and the Buyer in  
188 connection therewith, shall be treated as confidential and be used only for performance of the contract.

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## 16. RELATIONSHIP OF THE PARTIES

- 190 (a) The relationship between the parties is that of independent contractors. Nothing contained in this Agreement shall be construed as creating any agency,  
191 partnership, joint venture or other form of joint enterprise, employment or fiduciary relationship between the parties and neither party shall have authority  
192 to contract for or bind the other party in any manner whatsoever. This Agreement is for the sole benefit of the parties hereto and their respective  
193 successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or  
194 equitable right, benefit or remedy of any nature whatsoever under or by reason of this Agreement.

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## 17. RESOLUTION OF DISPUTES

- 195 (a) Any waiver by a party of any right shall not be considered a continuing waiver in any other instance.
- 196 (b) Any controversy or claim arising out of or relating to this contract, or the breach thereof, and not amicably resolved within thirty (30) days from referral  
197 to senior executives of each party, or to non-binding mediation, shall be settled by arbitration administered by the **American Arbitration Association**  
198 ("AAA") under its **Commercial Arbitration Rules (with Expedited Procedures)**, with proceedings to be held by one (1) arbitrator at a locale to be  
199 determined by an AAA Case Management Center, unless otherwise agreed, and judgement on the award rendered by the arbitrator may be entered  
200 in any court having jurisdiction thereof.
- 201 (c) This Agreement shall be construed under the internal laws of the State in which is located the Product Group home office, without regard to conflict of  
202 law principles. Except as otherwise provided in Paragraph 5 ("LIMITATION OF LIABILITY; LIMITED WARRANTY; WARRANTY DISCLAIMER"), any  
203 claim arising under or in connection with this Agreement shall be asserted under this provision within two (2) years after the claim arises or be forever  
204 waived and barred. Invalidation or unenforceability of one (1) or more provisions of this Agreement shall not affect any other provision of this Agreement.

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## 18. RECOVERY OF FEES AND EXPENSES

- 206 (a) In the event arbitration or suit is brought or an attorney is retained by the Company to enforce these Terms and Conditions or to collect any money  
207 hereunder, or to collect any money damages for breach thereof, the Company shall be entitled to recover, in addition to other remedy, reimbursement  
208 for reasonable attorney's fee, court costs, costs of investigation and other related expenses incurred in connection therewith.

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## 19. BUY AMERICAN

- 210 (a) If this purchase is subject to a mandatory "Buy American" clause, the applicable clause must be provided for review by the company before compliance  
211 may be affirmed.
- 212 (b) Products of the Company may originate in the USA, Canada, or Liechtenstein.

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## 20. INTERNATIONAL CONVENTION

- 214 (a) The United Nations Convention on Contracts for the International Sale of Goods (1980) shall not apply to international, cross border sales of the  
215 Company.  
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# Terms and Conditions of Sale

Date Revised: April 9, 2018

## CLEAVER-BROOKS, INC. GENERAL TERMS AND CONDITIONS OF SALE (continued)

### 21. MISCELLANEOUS

- (a) THIS AGREEMENT IS THE COMPLETE AGREEMENT BETWEEN THE COMPANY AND THE BUYER AND NO ADDITIONAL OR DIFFERENT TERM OR CONDITION STATED BY THE BUYER SHALL BE BINDING UNLESS AGREED BY THE COMPANY IN WRITING.
- (b) No course of prior dealings and no usage of the trade shall be relevant to supplement or explain any terms used herein.
- (c) This Agreement may be modified only by a writing signed by both the Company and the Buyer and shall be governed by and construed in accordance with the internal laws of the State of Georgia without giving effect to any choice or conflict of law provision or rule (whether of the State of Georgia or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than those of the State of Georgia.
- (d) The failure of the Company to insist upon strict performance of any of the terms and conditions stated herein shall not be considered a continuing waiver of any such term or condition or any of the Company's rights. If any term or provision of this Agreement is invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction.

### 22. PRODUCT GROUP CONDITIONS

- (a) Supplemental conditions (below) also apply for Cleaver-Brooks, Inc. Product Groups.

#### SUPPLEMENTAL CONDITIONS for the CLEAVER-BROOKS, INC. PACKAGE BOILER SYSTEMS PRODUCT GROUP

These provisions amend the indicated articles of the CLEAVER-BROOKS, INC. GENERAL TERMS AND CONDITIONS OF SALE (above)

#### [Add to 2. TERMS AND PRICES]

[Add to 2.a] The performance milestones for payment for projects valued at or above \$250,000 are as follows unless otherwise indicated in the Proposal to which these conditions are attached:

- (i) Upon Issuance of Submittals: ..... 20% of the Contract Price (Net 30 Days)
- (ii) Upon Release for Production: ..... 30% of the Contract Price (Net 30 Days)
- (iii) Upon Readiness for Shipment: ..... 50% of the Contract Price (Net 30 Days)

#### [Add to 6. TERMINATION]

- (d) If the Buyer's circumstances change after an order is accepted, and the Buyer is unable to use ordered items or similar items, then subject to the Company's express written consent, the buyer may return for credit such unneeded items as have been delivered under the order, which will be accepted as returns if they are unused, undamaged, and current inventory, subject to the normal restocking charge.

### 23. CANCELLATION SCHEDULE

- (a) The cancellation schedule for projects is as follows unless otherwise indicated in the Proposal to which these conditions are attached:
  - (i) After Receipt of Purchase Order: ..... Up to 25% of the Contract Price based on Costs and Conditions of Sale (Net 30 Days)
  - (ii) 1-30 Days After Drawing Approval: ..... Up to 50% of the Contract Price based on Costs and Conditions of Sale (Net 30 Days)
  - (iii) Over 30 Days After Drawing Approval: ..... Up to 75% of the Contract Price based on Costs and Conditions of Sale (Net 30 Days)
  - (iv) After Final Assembly: ..... Up to 100% of the Contract Price based on Costs and Conditions of Sale (Net 30 Days)

#### SUPPLEMENTAL CONDITIONS for the CLEAVER-BROOKS, INC. ENGINEERED BOILER SYSTEMS PRODUCT GROUP

These provisions amend the indicated articles of the CLEAVER-BROOKS, INC. GENERAL TERMS AND CONDITIONS OF SALE (above)

#### [Add to 2. TERMS AND PRICES]

[Add to 2.a] The performance milestones for payment for projects are as follows unless otherwise indicated in the Proposal to which these conditions are attached:

- (i) Upon Receipt of Purchase Order: ..... 10% of the Contract Price (Net 30 Days)
- (ii) Upon Issuance of Drawing Submittals (Mechanical GA and P&ID Drawings): ..... 30% of the Contract Price (Net 30 Days)
- (iii) Upon Completion of Hydrostatic Test: ..... 35% of the Contract Price (Net 30 Days)
- (iv) Upon Readiness for Shipment: ..... 25% of the Contract Price (Net 30 Days)

[Add to 2.b] If the price includes allowed transportation or other shipping charges, then increases in transportation rates, demurrage, special detention, or other shipping charges, occurring after the date of quotation shall be added to the Purchase Price.

[Add to 2.c] The Company may, but shall not be obligated to, incorporate into the Equipment any upgrades or applicable changes in the Company's standard specifications, design, construction, arrangement or components.

#### [Add to 3. DELIVERY]

[Add to 2.b] The Company will endeavor to make shipment of orders as scheduled; however, all shipment dates are approximate only, and the Company reserves the right to readjust shipment schedules.

### 24. CANCELLATION SCHEDULE

- (a) The cancellation schedule for projects is as follows unless otherwise indicated in the Proposal to which these conditions are attached:
  - (i) Up to 14 Days After Receipt of Purchase Order: ..... 0% of the Contract Price (Net 30 Days)
  - (ii) Over 14 Days After Receipt of Purchase Order: ..... 25% of the Contract Price (Net 30 Days)
  - (iii) Up to 30 Days After Drawing Approval: ..... 45% of the Contract Price (Net 30 Days)
  - (iv) 31-60 Days After Drawing Approval: ..... 55% of the Contract Price (Net 30 Days)
  - (v) 61-90 Days After Drawing Approval: ..... 75% of the Contract Price (Net 30 Days)
  - (vi) Over 90 Days After Drawing Approval: ..... 100% of the Contract Price (Net 30 Days)

### 25. FOUNDATIONS

- (a) The Company shall provide the Buyer with General Arrangement drawings showing the Equipment with reference to foundations, including loading diagrams.
- (b) The Company shall not be responsible for the depth of the footings, size or accuracy of the foundations or anchor bolts, or the character of the materials selected for their construction.
- (c) Adequate foundations, having plan measurements in accordance with such drawings including foundation bolts and plates, concrete work, all grouting, and excavation, shall be furnished in place in due time by the Buyer.
- (d) The Company shall not be responsible for any damages, or repairs necessary to the Equipment furnished by it, caused by or resulting from defects in or settlement of the foundations.



# Terms and Conditions of Sale

Date Revised: April 9, 2018

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## 26. SUPPORTING STEEL

- (a) Unless otherwise stated, any supporting steel to be furnished by the Company as specified in this Proposal will be designed to support the Equipment which the Company proposes to furnish and will be designed in accordance with the latest Rules of the American Institute of Steel Construction.
  - (b) If the Company is required to increase the size or weight of its supporting structures to conform to other than the Rules of the American Institute of Steel Construction or because of additional loadings imposed by the Buyer, the Buyer shall reimburse the Company for the additional steel and work required.
-

		Cleaver-Brooks Boiler Expected Emission Data		With Economizer	
		Producing Steam Firing		Nat Gas	
BACKGROUND INFORMATION					
Date	08/13/19			Boiler Model	CB(LE)
Author	Mike Ward			Altitude (feet)	700
Customer	Enterprise Products			Operating Pressure (psig)	85.00
City & State	Houston, Texas			Furnace Volume (cuft)	198.26
				Furnace Heat Release (btu/hr/cu ft)	132,702
				Heating Surface (sqft)	3000
				Nox System	9
Nat Gas		Firing Rate			
		25%	50%	75%	100%
Horsepower		150	300	450	600
Input, Btu/hr		6,020,000	11,977,000	18,020,000	24,107,000
CO	ppm	50	50	50	50
	lb/MMBtu	0.0375	0.0375	0.0375	0.0375
	lb/hr	0.23	0.45	0.68	0.90
	tpy	0.988	1.966	2.958	3.958
NOx	ppm	9	9	9	9
	lb/MMBtu	0.0105	0.0105	0.0105	0.0105
	lb/hr	0.06	0.13	0.19	0.25
	tpy	0.277	0.551	0.829	1.109
NO	ppm	7.7	7.7	7.7	7.7
	lb/MMBtu	0.009	0.009	0.009	0.009
	lb/hr	0.05	0.11	0.16	0.22
	tpy	0.22	0.44	0.66	0.89
NO <sub>2</sub>	ppm	1.4	1.4	1.4	1.4
	lb/MMBtu	0.002	0.002	0.002	0.002
	lb/hr	0.01	0.02	0.03	0.04
	tpy	0.06	0.11	0.17	0.22
SO <sub>x</sub>	ppm	0.34	0.34	0.34	0.34
	lb/MMBtu	0.0006	0.0006	0.0006	0.0006
	lb/hr	0.0035	0.0071	0.0106	0.0142
	tpy	0.016	0.031	0.046	0.062
VOCs (Non-Methane Only)	ppm	8	8	8	8
	lb/MMBtu	0.0036	0.0036	0.0036	0.0036
	lb/hr	0.021	0.043	0.064	0.086
	tpy	0.094	0.187	0.281	0.376
VOCs does not include any background VOC emissions.					
PM10 (Filterable)	ppm	N/A	N/A	N/A	N/A
	lb/MMBtu	0.0019	0.0019	0.0019	0.0019
	lb/hr	0.011	0.022	0.034	0.045
	tpy	0.049	0.098	0.147	0.197
PM10 (Condensable)	lb/MMBtu	0.0056	0.0056	0.0056	0.0056
	lb/hr	0.034	0.067	0.101	0.135
	tpy	0.147	0.293	0.441	0.590
PM2.5 (Filterable)	lb/MMBtu	0.0019	0.0019	0.0019	0.0019
	lb/hr	0.011	0.022	0.034	0.045
	tpy	0.049	0.098	0.147	0.197
PM2.5 (Condensable)	lb/MMBtu	0.0056	0.0056	0.0056	0.0056
	lb/hr	0.034	0.067	0.101	0.135
	tpy	0.147	0.293	0.441	0.590
<b>Exhaust Data</b>					
Temperature, F		289	310	328	343
Flow	ACFM	1,892	3,601	5,547	7,566
	SCFM ( 70 Degrees Fah. )	1,375	2,543	3,826	5,119
	DSCFM	1,242	2,279	3,428	4,586
	lb/hr	6,188	11,444	17,218	23,034
Velocity	ft/sec	10.04	19.10	29.43	40.14
	ft/min	602	1,146	1,766	2,408

Notes:

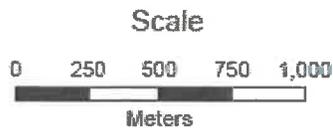
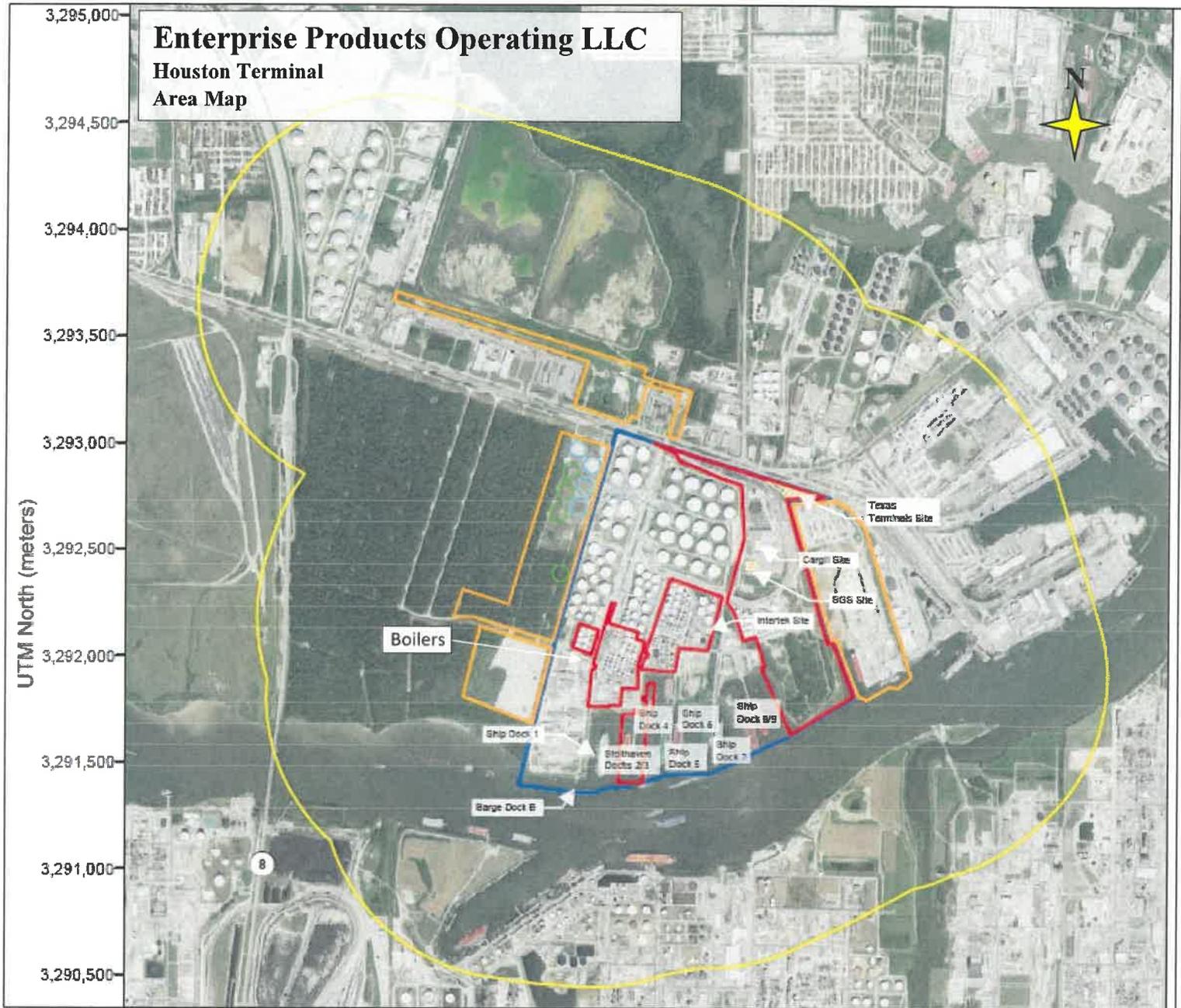
- 1) All ppm levels are corrected to dry at 3% oxygen.
- 2) Emission data based on actual boiler efficiency.
- 3) % H<sub>2</sub>O, by volume in exhaust gas is **16.05** % O<sub>2</sub>, by volume **3.81**
- 4) Water vapor in exhaust gas is **99.39** lbs/MMBtu of fuel fired
- 5) CO<sub>2</sub> produced is **116.31** lbs/MMBtu of fuel fired
- 6) Particulate is exclusive of any particulates in combustion air or other sources of residual particulates from material.  
PM level indicated on this form is based on combustion air and fuel being clean and turndown up to 4:1.
- 7) Heat input is based on high heating value (HHV).
- 8.) Emission produced in tons per year (tpy) is based on 24 hours per day for 365 days = 8,760 hours per year
- 9.) Exhaust data is based on a clean and properly sealed boiler.
- 10.) Emission data is based on a burner turndown of 4 to 1, However the burner is capable of a higher turndown.
- 11.) Maximum flame temperature is 2800 degrees fahrenheit.

14) Fuel High Heating Value =

**1000**

Btu/FT<sup>3</sup>

## **1.11. Maps**



- 3,000 ft Buffer
- Single Property Line Designation (SPDL)
- Additional Enterprise Property
- Stolthaven Houston Inc. Premises

Enterprise Houston Terminal  
PBRs 80156, 86699  
PI-7 CERT Registration

# Enterprise Products Operating LLC Houston Terminal Boilers Plot Plan



Enterprise Houston Terminal  
PBRs 80156, 86699  
PI-7 CERT Registration

## **1.12. Checklists & Tables**



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**Table 1(a) Emission Point Summary**

<b>Date:</b> August 2019		<b>Permit No.:</b> N/A		<b>Regulated Entity No.:</b> RN100224740	
<b>Area Name:</b> Houston Terminal				<b>Customer Reference No.:</b> CN603211277	
Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.					
<b>AIR CONTAMINANT DATA</b>					
<b>1. Emission Point</b>			<b>2. Component or Air Contaminant Name</b>	<b>3. Air Contaminant Emission Rate</b>	
<b>(A) EPN</b>	<b>(B) FIN</b>	<b>(C) NAME</b>		<b>(A) Pound Per Hour</b>	<b>(B) TPY</b>
S-23	S-23	New Boiler	NOx	0.25	1.10
			CO	0.90	3.94
			VOC	0.09	0.38
			SO2	0.34	1.48
			PM10	0.18	0.79
MSS-02	MSS-02	New Boiler Startup & Shutdown	NOx	0.38	0.00
			CO	1.35	0.01
			VOC	0.13	0.00
			SO2	0.34	0.00
			PM	0.27	0.00

EPN = Emission Point Number  
 FIN = Facility Identification Number



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**Table 1(a) Emission Point Summary**

Date: August 2019	Permit No.: N/A	Regulated Entity No.: RN100224740
Area Name: Houston Terminal	Customer Reference No.: CN603211277	

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

AIR CONTAMINANT DATA			EMISSION POINT DISCHARGE PARAMETERS										
1. Emission Point			4. UTM Coordinates of Emission			Source							
EPN (A)	FIN (B)	Name (C)	Point			5. Building Height (Ft.)	6. Height Above Ground (Ft.)	7. Stack Exit Data			8. Fugitives		
			Zone	East (Meters)	North (Meters)			Diameter (Ft.) (A)	Velocity (FPS) (B)	Temperature (°F) (C)	Length (Ft.) (A)	Width (Ft.) (B)	Axis Degrees (C)
S-23	S-23	New Boiler	15R	293,882	3,292,000		25.0	2.000	40.140	343			
MSS-02	MSS-02	New Boiler Startup & Shutdown	15R	293,878	3,291,999		25.0	2.000	40.140	343			

EPN = Emission Point Number

FIN = Facility Identification Number

**Texas Commission on Environmental Quality  
Permit by Rule Applicability Checklist  
Title 30 Texas Administrative Code § 106.4**

The following checklist was developed by the Texas Commission on Environmental Quality (TCEQ), **Air Permits Division**, to assist applicants in determining whether or not a facility meets all of the applicable requirements. Before claiming a specific Permit by Rule (PBR), a facility must first meet all of the requirements of **Title 30 Texas Administrative Code § 106.4** (30 TAC § 106.4), "Requirements for Permitting by Rule." Only then can the applicant proceed with addressing requirements of the specific Permit by Rule being claimed.

The use of this checklist is not mandatory; however, it is the responsibility of each applicant to show how a facility being claimed under a PBR meets the general requirements of 30 TAC § 106.4 and also the specific requirements of the PBR being claimed. If all PBR requirements cannot be met, a facility will not be allowed to operate under the PBR and an application for a construction permit may be required under 30 TAC § 116.110(a).

Registration of a facility under a PBR can be performed by completing **Form PI-7** (Registration for Permits by Rule) or **Form PI-7-CERT** (Certification and Registration for Permits by Rule). The appropriate checklist should accompany the registration form. Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the question number. The PBR forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division website at: [www.tceq.texas.gov/permitting/air/nav/air\\_pbr.html](http://www.tceq.texas.gov/permitting/air/nav/air_pbr.html).

<b>1. 30 TAC § 106.4(a)(1) and (4): Emission Limits</b>	
List emissions in tpy for <b>each</b> facility (add additional pages or table if needed): See Table 1(a)	
• Are the SO <sub>2</sub> , PM, VOC, or other air contaminant emissions claimed for <b>each</b> facility in this PBR submittal less than 25 tpy?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
• Are the PM <sub>10</sub> emission less than 15 TPY and are the PM <sub>2.5</sub> emissions less than 10 TPY for <b>each</b> claimed facility in the PBR submittal?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
• Are the NO <sub>x</sub> and CO emissions claimed for each facility in this PBR submittal less than 250 tpy?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If the answer to both is "Yes," continue to the question below. If the answer to either question is "No," a <b>PBR cannot be claimed.</b></i>	
• Has any facility at the property had public notice and opportunity for comment under 30 TAC Section 116 for a regular permit or permit renewal? (This does not include public notice for voluntary emission reduction permits, grandfathered existing facility permits, or federal operating permits.)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "Yes," skip to Section 2. If "No," continue to the questions below.</i>	

**Texas Commission on Environmental Quality  
Permit by Rule Applicability Checklist  
Title 30 Texas Administrative Code § 106.4**

<b>1. 30 TAC § 106.4(a)(1) and (4): Emission Limits (continued)</b>	
If the site has had no public notice, please answer the following:	
• Are the SO <sub>2</sub> , PM <sub>10</sub> , VOC, or other emissions claimed for <b>all</b> facilities in this PBR submittal less than 25 tpy?	<input type="checkbox"/> YES <input type="checkbox"/> NO
• Are the PM <sub>10</sub> emission less than 15 TPY and are the PM <sub>2.5</sub> emissions less than 10 TPY for <b>all</b> claimed facilities in this PBR submittal?	<input type="checkbox"/> YES <input type="checkbox"/> NO
• Are the NO <sub>x</sub> and CO emissions claimed for <b>all</b> facilities in this PBR submittal less than 250 tpy?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If the answer to both questions is "Yes," continue to Section 2.</i>	
<i>If the answer to either question is "No," a PBR cannot be claimed. A permit will be required under Chapter 116.</i>	
<b>2. 30 TAC § 106.4(a)(2): Nonattainment Check</b>	
• Are the facilities to be claimed under this PBR located in a designated ozone nonattainment county?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "Yes," please indicate which county by checking the appropriate box to the right.</i>	
(Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties:	<input checked="" type="checkbox"/> HGB
(Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise counties:	<input type="checkbox"/> DFW
<i>If "Yes," to any of the above, continue to the next question. If "No," continue to Section 3.</i>	
• Does this project trigger a nonattainment review?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
• Is the project's potential to emit (PTE) for emissions of VOC or NO <sub>x</sub> increasing by 100 tpy or more? <i>PTE is the maximum capacity of a stationary source to emit any air pollutant under its worst-case physical and operational design unless limited by a permit, rules, or made federally enforceable by a certification.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
• Is the site an existing major nonattainment site and are the emissions of VOC or NO <sub>x</sub> increasing by 40 tpy or more?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If needed, attach contemporaneous netting calculations per nonattainment guidance.</i>	
Additional information can be found at: <a href="http://www.tceq.texas.gov/permitting/air/forms/newsourcereview/tables/nsr_table8.html">www.tceq.texas.gov/permitting/air/forms/newsourcereview/tables/nsr_table8.html</a> and <a href="http://www.tceq.texas.gov/permitting/air/nav/air_docs_newsourcereview.html">www.tceq.texas.gov/permitting/air/nav/air_docs_newsourcereview.html</a>	
<i>If "Yes," to any of the above, the project is a major source or a major modification and a PBR may not be used. A Nonattainment Permit review must be completed to authorize this project. If "No," continue to Section 3.</i>	

**Texas Commission on Environmental Quality  
Permit by Rule Applicability Checklist  
Title 30 Texas Administrative Code § 106.4**

<b>3. 30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) Check</b>	
Does this project trigger a review under PSD rules?	
To determine the answer, review the information below:	
• Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
• Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
• Are emissions increasing above significance levels at an existing major site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
PSD information can be found at: <a href="http://www.tceq.texas.gov/assets/public/permitting/air/Forms/NewSourceReview/Tables/10173tbl.pdf">www.tceq.texas.gov/assets/public/permitting/air/Forms/NewSourceReview/Tables/10173tbl.pdf</a> and <a href="http://www.tceq.texas.gov/permitting/air/nav/air_docs_newsources.html">www.tceq.texas.gov/permitting/air/nav/air_docs_newsources.html</a>  <i>If "Yes," to any of the above, a PBR may not be used. A PSD Permit review must be completed to authorize the project.</i>  <i>If "No," continue to Section 4.</i>	
<b>4. 30 TAC § 106.4(a)(6): Federal Requirements</b>	
• Will all facilities under this PBR meet applicable requirements of Title 40 Code of Federal Regulations (40 CFR) Part 60, New Source Performance Standards (NSPS)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA
<i>If "Yes," which Subparts are applicable?</i>	
Subpart Dc	
• Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA
<i>If "Yes," which Subparts are applicable?</i>	
Subpart DDDDD	
• Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA
<i>If "Yes," which Subparts are applicable?</i>	
<i>If "Yes" to any of the above, please attach a discussion of how the facilities will meet any applicable standards.</i>	

**Texas Commission on Environmental Quality  
Permit by Rule Applicability Checklist  
Title 30 Texas Administrative Code § 106.4**

<b>5. 30 TAC § 106.4(a)(7): PBR Prohibition Check</b>		
<ul style="list-style-type: none"> <li>Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs?</li> </ul>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," PBRs may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required.</i>		
<ul style="list-style-type: none"> <li>List permit number(s): NSR Permit 5631 &amp; N054 (Special Condition 20 only prohibits authorization of "additional storage and loading activity or capacity" so does not apply to authorization of Boilers)</li> </ul>		
<b>6. 30 TAC § 106.4(a)(8): NO<sub>x</sub> Cap and Trade</b>		
<ul style="list-style-type: none"> <li>Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County?</li> </ul>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," answer the question below. If "No," continue to Section 7.</i>		
<ul style="list-style-type: none"> <li>Will the proposed facility or group of facilities obtain required allowances for NO<sub>x</sub> if they are subject to 30 TAC Chapter 101, Subchapter H, Division 3 (relating to the Mass Emissions Cap and Trade Program)?</li> </ul>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<b>7. Highly Reactive Volatile Organic Compounds (HRVOC) Check</b>		
<ul style="list-style-type: none"> <li>Is the facility located in Harris County?</li> </ul>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," answer the next question. If "No," skip to the box below.</i>		
<ul style="list-style-type: none"> <li>Will the project be constructed after June 1, 2006?</li> </ul>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<i>If "Yes," answer the next question. If "No," skip to the box below.</i>		
<ul style="list-style-type: none"> <li>Will one or more of the following HRVOC be emitted as a part of this project?</li> </ul>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<i>If "Yes," complete the information below:</i>		
	<b>lb/hr</b>	<b>tpy</b>
▶ 1,3-butadiene		
▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])		
▶ alpha-butylene (ethylethylene)		
▶ beta-butylene (dimethylethylene, including both cis- and transisomers)		
▶ ethylene		
▶ propylene		

**Texas Commission on Environmental Quality  
Permit by Rule Applicability Checklist  
Title 30 Texas Administrative Code § 106.4**

<b>7. Highly Reactive Volatile Organic Compounds (HRVOC) Check (continued)</b>		
<ul style="list-style-type: none"> <li>• Is the facility located in Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County?</li> </ul>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "Yes," answer the next question. If "No," the checklist is complete.</i>		
<ul style="list-style-type: none"> <li>• Will the project be constructed after June 1, 2006?</li> </ul>		<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "Yes," answer the next question. If "No," the checklist is complete.</i>		
<ul style="list-style-type: none"> <li>• Will one or more of the following HRVOC be emitted as a part of this project?</li> </ul>		<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "Yes," complete the information below:</i>		
	<b>lb/hr</b>	<b>tpy</b>
▶ ethylene		
▶ propylene		

**Boilers, Heaters, and Other Combustion Devices  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.183**

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The PBR forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division Web site at: [www.tceq.texas.gov/permitting/air/nav/air\\_pbr.html](http://www.tceq.texas.gov/permitting/air/nav/air_pbr.html).

This PBR (§ 106.183) **does not require registration**. However, you may register the facility and its emissions with the commission's Office of Air in Austin. The facility may be registered by completing [Form PI-7](#), "Registration for Permits by Rule," or [Form PI-7-CERT](#), "Registration and Certification for Permits by Rule." This checklist should accompany the registration form.

For additional assistance with your application, including resources to help calculate your emissions, please visit the Small Business and Local Government Assistance (SBLGA) webpage at the following link: [www.TexasEnviroHelp.org](http://www.TexasEnviroHelp.org)

<b>Please Complete the Following:</b>	
Will the equipment to be authorized include only boilers, heaters, drying or curing ovens, furnaces, or other combustion units?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "NO," this PBR cannot be claimed.</i>	
<b>Note:</b> Stationary internal combustion engines and turbines may require registration under <a href="#">30 TAC § 106.512</a> . A <a href="#">§ 106.512 Checklist</a> is available to help verify compliance with the requirements.	
Check all that apply:	
<input checked="" type="checkbox"/> boilers	<input type="checkbox"/> heaters
<input type="checkbox"/> drying or curing ovens	<input type="checkbox"/> furnaces
<input type="checkbox"/> other combustion unit (If other please specify): _____	
Have you included a <a href="#">Table 4 (Combustion Units)</a> or a <a href="#">Table 6 (Boilers and Heaters)</a> with the registration?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<input type="checkbox"/> Table 4	<input checked="" type="checkbox"/> Table 6
Are the only emissions from the facility products of combustion?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "NO," the facility does not qualify for this PBR.</i>	
What is the maximum heat input of the facility? (MBtu/hr.)	<b>24.107 MMBtu/hr</b>
If the facility has a heat input greater than 10 MMBtu/hr (higher heating value), what is the emission rate of nitrogen oxides? (lb/MMBtu)	<b>0.0105 lb/MMBtu</b>
What type of fuel is used? (Check all that apply)	
<input checked="" type="checkbox"/> sweet natural gas	<input type="checkbox"/> liquid petroleum gas
<input type="checkbox"/> fuel gas with ≤ 0.1 grain total sulfur compounds per dscf	
Is the distillate fuel oil used only as a backup fuel?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Total hours of operation (hr./yr): <b>0, Distillate fuel will not be used</b>	
<b>Note:</b> If distillate fuel oil is used, firing cannot exceed 720 hours per year.	
<i>If "YES," please continue.</i>	
<i>If "NO," the remaining questions do not apply.</i>	

**Boilers, Heaters, and Other Combustion Devices  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.183**

<b>Please Complete the Following:</b>	
What is sulfur content of the distillate fuel oil (% sulfur by weight)?	
Is the distillate fuel oil blended with waste oils or solvents?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Will records of hours of fuel oil firing and fuel oil purchases be maintained on-site for at least two years and made available upon request to the commission or any local air pollution control program having jurisdiction?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Other Applicable Rules and Regulations</b> If assistance is needed in determining other applicable rules and regulation please contact the Rule Registrations Section, Air Permits Division at (512) 239-1250.	
Is the facility subject to <a href="#">30 TAC Chapter 117, Subchapter B</a> ?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>Why or Why Not: Combustion device located at a major source in HGB Ozone Nonattainment Area</b>	
Is the facility subject to <a href="#">30 TAC Chapter 117, Subchapter D</a> ?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Why or Why Not: Facility is major source</b>	
Is the facility subject to <a href="#">40 CFR Part 60, NSPS Subpart D</a> ?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Why or Why Not: Not applicable to Boilers</b>	
Is the facility subject to <a href="#">40 CFR Part 60, NSPS Subpart Da</a> ?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Why or Why Not: Not applicable to Boilers</b>	
Is the facility subject to <a href="#">40 CFR Part 60, NSPS Subpart Db</a> ?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Why or Why Not: Boiler heat input less than 100 MMBtu/hr</b>	
Is the facility subject to <a href="#">40 CFR Part 60, NSPS Subpart Dc</a> ?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>Why or Why Not: Boilers with heat input greater than 10 MMBtu/hr constructed after June 9, 1989</b>	
Is the facility subject to <a href="#">40 CFR Part 60, NSPS Subpart UUU</a> ?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Why or Why Not: Not applicable to Boilers</b>	

**Boilers, Heaters, and Other Combustion Devices  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.183**

**Record Keeping:** In order to demonstrate compliance with the general and specific requirements of this PBR, records of the hours of fuel oil firing and fuel oil purchases must be maintained on-site for at least two years and made immediately available upon request to the commission or any local air pollution control program having jurisdiction. The registrant should also become familiar with the additional record keeping requirements in [30 TAC § 106.8](#). The records must be made available immediately upon request to the commission or any air pollution control program having jurisdiction. If you have any question about the type of records that should be maintained, contact the Air Program in the [TCEQ Regional Office](#) for the region in which the site is located.

**Recommended Calculation Method:** Emission estimates may be made using the calculation method described in the TCEQ Guidance for Boilers and Heaters at: [www.tceq.texas.gov/permitting/air/guidance/newsocreview/nsr\\_fac\\_index.html](http://www.tceq.texas.gov/permitting/air/guidance/newsocreview/nsr_fac_index.html) and/or use the emission factors for each air contaminant from the EPA Compilation of Air Pollutant Emission Factors (AP-42), Fifth Edition, Volume 1, Chapter 11: External Combustion Sources at: [www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors](http://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors). If sufficient records are maintained on-site and all requirements are being met, the registrant and the TCEQ will be able to establish these emission rates if needed.

**Texas Commission on Environmental Quality  
Table 6  
Boilers and Heaters**

Equipment Information			
Type of Device: <b>Boiler</b>			
Manufacturer: <b>Cleaver-Brooks</b>		Model Number: <b>CBLE-700-600-150ST(460/3/60)</b>	
Emission Point Number (EPN) (from Flow Diagram): <b>S-23</b>			
Fuel Characteristics (choose applicable fuel characteristics, or revise from typical values shown)			
Fuel Type	Hours Use Per Year	Fuel Sulfur Content and Units	Higher Heating Value and Units
<input checked="" type="checkbox"/> Natural Gas	8760	5 gr / 100 dscf	1020 Btu/scf
<input type="checkbox"/> No. 2 Fuel Oil			
<input type="checkbox"/> Propane			
<input type="checkbox"/> Plant Fuel Gas			
<input type="checkbox"/> Landfill Gas			
<input type="checkbox"/> Other: _____			
Fuel Firing Rate			
Design Maximum: <b>24.107</b>		Units (MMBtu/hr is preferred): <b>MMBtu/hr</b>	
Stack Parameters (not required if represented on page 2 of Table 1(a))			
Stack Diameter (ft): <b>2</b>		Stack Height (ft): <b>25</b>	
Stack gas velocity at maximum fuel flow rate (ft/second): <b>40.14</b>			
Stack Gas Temperature (°F): <b>343</b>		Exhaust (scfm*): <b>7566</b>	
Exhaust Air Flow and Excess Air			
Exhaust Air Flow (scfm*): <b>7566</b>			
Percentage of Excess Air:			
Control Device (if present)			
Add on Control Device (type, description):			

**Texas Commission on Environmental Quality  
Table 6  
Boilers and Heaters**

<b>Characteristics of Output: Outlet Concentrations to be used as Emission Factors (confirm applicable fuel characteristics, revise from typical values shown, or enter applicable value)</b>	
<b>Material</b>	<b>Chemical Composition of Exit Gas Released (% by volume)</b>
<input checked="" type="checkbox"/> NO <sub>x</sub>	9 ppmv corrected to 3% O <sub>2</sub> (0.0105 lb/MMBtu)**
<input checked="" type="checkbox"/> CO	50 ppmv corrected to 3% O <sub>2</sub> (0.0375 lb/MMBtu)**
<input checked="" type="checkbox"/> VOC	8 ppmv corrected to 3% O <sub>2</sub> (0.0035 lb/MMBtu)**
<input type="checkbox"/> Formaldehyde (should be subset of VOC)	
<input checked="" type="checkbox"/> SO <sub>2</sub>	Assume 100% conversion of fuel sulfur to SO <sub>2</sub> **
<input checked="" type="checkbox"/> PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.0075 lb/MMBtu
<input type="checkbox"/> Others (such as Ammonia): _____	

Attach an explanation on how temperature, air flow rate, excess air or other operating variables are controlled.

\* Standard Conditions: 68°F, 14.7 psia

\*\* Values shown are typical for natural gas fired boilers; confirm with your vendor.

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

**Sent:** Wednesday, August 27, 2025 9:05 AM

**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)> **Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)> **Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I have another update from my PM/CAM specialist. Please address the following by **Friday, 08/29**. Let me know if you would need more time.

*The periodic monitoring text references “the 106.183 PBR documentation dated 9/24/2019” and it’s not clear what documentation that is. Can you please provide the documentation or indicate where it comes from. It seems that PBR 106.183 is claimed for the units, but the language used implies this documentation is part of an application that was submitted to TCEQ.*

*If PBR 106.183 is claimed, technically the emission factors are permitted, but typically that’s the same phrasing we would use for an NSR permit or Standard Permit/PBR Registration, so the current language is a bit confusing. If the documentation was somehow part of some submittal on the NSR side (I have seen PBR info submitted with NSR or*

*Standard Permit applications for reference, even when the PBR was remaining as a separate claimed authorization), we need that context so we can determine how best to refer to it in the periodic monitoring text and our technical summary explanation.*

*Looking back over the previous iterations of this proposal via the email chain, it looks like you are using some of the language because we suggested it. But at the time, I think we were operating under the assumption that this was authorized by some type of permit registration based on what we had seen so far.*

*Please provide the 106.183 PBR documentation dated 9/24/2019 or indicate where it comes from.*

I have also updated the NSPS Kb requirements in your permit following your previous update to Group ID GRP 9. I will provide you with a revised WDP after the monitoring issue has been resolved for you to review. Let me know if you have any questions. Thank you for your continued patience and cooperation with this application process.

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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**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Thursday, August 7, 2025 10:12 AM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** HSC OP-MON update 8-7-25.pdf; HSC OP-UA3 update 8-7-25.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

The updated OP-MON form and the updates to OP-UA3 for GRP 9 are attached. Please let me know if you have any further questions.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

**Storage Tank/Vessel Attributes**

**Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)**

**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
August 2025	O1043	RN100224740

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 9	60Kb-001	PTLQ-3	40k+	NONE	0.5-0.75	IFR-SL				
GRP 9	60Kb-002	PTLQ-3	40k+	IFR	0.75-11.1	IFR-SLI		NONE		
GRP 9	60Kb-003	PTCD-AF3	40k+	NONE	0.5-0.75	IFR-SL				
GRP 9	60Kb-004	PTCD-AF3	40k+	IFR	0.75-11.1	IFR-SLI		NONE		
GRP 9	60Kb-005	CRUD-AF3	40k+	NONE	0.5-0.75	IFR-SL			CR2-	
GRP 9	60Kb-006	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-SLI		NONE	CR2-	
GRP 9	60Kb-007	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-SLI		NONE	CR2+	
GRP 9	60Kb-008	VOL	40k+	NONE	0.5-0.75	IFR-SL				
GRP 9	60Kb-009	VOL	40k+	IFR	0.75-11.1	IFR-SLI		NONE		

**Storage Tank/Vessel Attributes**

**Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)**

**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
August 2025	O1043	RN100224740

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 9	60Kb-010	PTLQ-3	40k+	NONE	0.75-11.1	IFR-SL				
GRP 9	60Kb-011	PTCD-AF3	40k+	NONE	0.75-11.1	IFR-SL				
GRP 9	60Kb-012	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-SL			CR2-	
GRP 9	60Kb-013	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-SL			CR2+	
GRP 9	60Kb-014	VOL	40k+	NONE	0.75-11.1	IFR-SL				

**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.: HG0531D	RN No.: RN100224740	CN: CN603211277
Permit No: O1043		Project No.: 37166
Area Name: Houston Terminal		
Company Name: Enterprise Products Operating LLC		
<b>II. Unit/Emission Point/Group/Process Information</b>		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: GRP BOIL1		
Applicable Form: OP-UA6		
<b>III. Applicable Regulatory Requirement</b>		
Name: 30 TAC Chapter 117 Subchapter B		
SOP/GOP Index No.: R7-BOIL1-001		
Pollutant: CO		
Main Standard: §117.310(c)(1)		
Monitoring Type: PM		
Unit Size: N/A		
Deviation Limit: 400 ppm		
<b>IV. Control Device Information</b>		
Control Device ID No.:		
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: Fuel Consumption		Minimum Frequency: Once per week
Averaging Period: N/A		

**I. Identifying Information**

Periodic Monitoring Text: 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 permitted emission factors from the 106.183 PBR documentation dated 9/24/2019 and engineering calculations to calculate the CO emission rate. The calculated CO emission rate shall be less than the deviation limit of a CO concentration of 400 ppmv. Any calculated emission rate above the maximum limit shall be considered and reported as a deviation.

---

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

**Sent:** Monday, August 4, 2025 3:07 PM

**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>

**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon,

Yes, that language will suffice.

Thanks,

**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:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>  
**Sent:** Monday, August 4, 2025 2:56 PM  
**To:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon Kyle. The boilers are authorized in an unregistered PBR. Since there is no permit number, should I note it as “permitted emission factors from the 106.183 PBR documentation dated 6/27/2019”?

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Thursday, July 31, 2025 1:29 PM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon all,

I have a few additional updates regarding your permit application. Please address the following items by **Friday, August 8<sup>th</sup>**.

The periodic monitoring text still needs to be more specific to the justification provided, or justification for the other sets of data mentioned in the periodic monitoring text would need to be provided. Please see the message below from our monitoring specialist.

*The updated periodic monitoring text mentions the permitted emission factors used in the calculations, but the calculations provided do not show the most recent stack test or AP-42 emission factors. The calculations provided are based on NSR permit data that at max capacity you will be under the emission limit from the rule, and that is adequate, but the proposed periodic monitoring text should not mention the other emission factors/data if they are not being used. The periodic monitoring text should be focused on the justification/data provided. If you do wish to use those other methods such as the most recent stack test or AP-42 emission factors for flexibility, then those calculations should be provided as well. We would need supporting documentation for all monitoring scenarios.*

*Additionally, in regard to the added permitted emission factors text, language should be added to specify which permit they came from such as “permitted emission factors from NSR 12345”. Text in regard to the maximum fuel consumption rate should also be removed since it is not being used as a deviation limit value or you may keep it if it is specified where the maximum fuel consumption rate originates from such as an NSR permit. A brief clarification on where the maximum fuel consumption rate came from would be adequate.*

In reference to your recently updated NSPS Kb attributes, there are a few minor issues that will require updates.

- **Form OP-UA3 – Table 3 - GRP 9, Index Nos. 60Kb-002, 60Kb-004, 60Kb-006, 60Kb-007, 60Kb-009:** Since you have chosen IFR (indicating you are complying with MACT WW for your tank controls), you cannot also choose IFR-SL as an answer to Storage Vessel Description. This is not readily apparent from the flowcharts or UA Form instructions, and our staff is aware of that. The code that likely needs to be used for Storage Vessel Description is either IFR-SLI or IFR-SLII. Please update the form or provide some reasoning if you do not agree. We may have to implement a manual build if that is the case.

Let me know if you have any questions. I will provide a revised WDP for your review upon completion of this request. Thank you for your continued assistance.

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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Fax: (512) 239-1400



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

**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Thursday, July 3, 2025 8:55 AM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** HSC OP-UA3 7-3-25.pdf; HSC OP-MON 7-3-25.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hello Kyle,

I have attached a revised OP-MON adding permitted emission factors to the monitoring language. The intent of the supporting calculations is to demonstrate that even at the maximum firing rate, we will not exceed the 400 ppm CO limit.

Also attached is the revised OP-UA3 based on our internal research. A key change is several new SOP index numbers have been added to allow us to switch between complying with standard Kb and the WW compliance option as provided for in 40 CFR 60.110b(e)(5)(iv)(A).

Please note that I will be out of the office starting 7/4 and returning 7/14. If you need an immediate response, please contact Dan Bissonnette who is copied on this email.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

**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.: HG0531D	RN No.: RN100224740	CN: CN603211277
Permit No: O1043		Project No.: 37166
Area Name: Houston Terminal		
Company Name: Enterprise Products Operating LLC		
<b>II. Unit/Emission Point/Group/Process Information</b>		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: GRP BOIL1		
Applicable Form: OP-UA6		
<b>III. Applicable Regulatory Requirement</b>		
Name: 30 TAC Chapter 117 Subchapter B		
SOP/GOP Index No.: R7-BOIL1-001		
Pollutant: CO		
Main Standard: §117.310(c)(1)		
Monitoring Type: PM		
Unit Size: N/A		
Deviation Limit: 400 ppm		
<b>IV. Control Device Information</b>		
Control Device ID No.:		
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: Fuel Consumption	Minimum Frequency: Once per week	
Averaging Period: N/A		
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be		

## **I. Identifying Information**

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, permitted emission factors, or most recent stack test and engineering calculations to calculate the CO emission rate. The calculated CO emission rate shall be less than the deviation limit of a CO concentration of 400 ppmv and the maximum fuel consumption rate. Any calculated emission rate above the maximum limit shall be considered and reported as a deviation.

**Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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.
260-5	60Kb-001	PTLQ-3	40k+	NONE	0.5-0.75	IFR-MT				
260-5	60Kb-002	PTLQ-3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		
260-5	60Kb-003	PTCD-AF3	40k+	NONE	0.5-0.75	IFR-MT				
260-5	60Kb-004	PTCD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		
260-5	60Kb-005	CRUD-AF3	40k+	NONE	0.5-0.75	IFR-MT			CR2-	
260-5	60Kb-006	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2	CR2-	
260-5	60Kb-007	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2	CR2+	
260-5	60Kb-008	VOL	40k+	NONE	0.5-0.75	IFR-MT				
260-5	60Kb-009	VOL	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		

**Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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.
260-5	60Kb-010	PTLQ-3	40k+	NONE	0.75-11.1	IFR-MT				
260-5	60Kb-011	PTCD-AF3	40k+	NONE	0.75-11.1	IFR-MT				
260-5	60Kb-012	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2-	
260-5	60Kb-013	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2+	
260-5	60Kb-014	VOL	40k+	NONE	0.75-11.1	IFR-MT				
GRP 4	60Kb-010	PTLQ-3	40k+	NONE	0.75-11.1	IFR-MT				
GRP 4	60Kb-011	PTCD-AF3	40k+	NONE	0.75-11.1	IFR-MT				
GRP 4	60Kb-012	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2-	
GRP 4	60Kb-013	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2+	
GRP 4	60Kb-014	VOL	40k+	NONE	0.75-11.1	IFR-MT				

**Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)  
Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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 4	60Kb-001	PTLQ-3	40k+	NONE	0.5-0.75	IFR-MT				
GRP 4	60Kb-002	PTLQ-3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		
GRP 4	60Kb-003	PTCD-AF3	40k+	NONE	0.5-0.75	IFR-MT				
GRP 4	60Kb-004	PTCD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		
GRP 4	60Kb-005	CRUD-AF3	40k+	NONE	0.5-0.75	IFR-MT			CR2-	
GRP 4	60Kb-006	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2	CR2-	
GRP 4	60Kb-007	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2	CR2+	
GRP 4	60Kb-008	VOL	40k+	NONE	0.5-0.75	IFR-MT				
GRP 4	60Kb-009	VOL	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		

**Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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 6	60Kb-001	PTLQ-3	40k+	NONE	0.5-0.75	IFR-MT				
GRP 6	60Kb-002	PTLQ-3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		
GRP 6	60Kb-003	PTCD-AF3	40k+	NONE	0.5-0.75	IFR-MT				
GRP 6	60Kb-004	PTCD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		
GRP 6	60Kb-005	CRUD-AF3	40k+	NONE	0.5-0.75	IFR-MT			CR2-	
GRP 6	60Kb-006	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2	CR2-	
GRP 6	60Kb-007	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2	CR2+	
GRP 6	60Kb-008	VOL	40k+	NONE	0.5-0.75	IFR-MT				
GRP 6	60Kb-009	VOL	40k+	IFR	0.75-11.1	IFR-MT		GUIDE2		

**Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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 6	60Kb-010	PTLQ-3	40k+	NONE	0.75-11.1	IFR-MT				
GRP 6	60Kb-011	PTCD-AF3	40k+	NONE	0.75-11.1	IFR-MT				
GRP 6	60Kb-012	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2-	
GRP 6	60Kb-013	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2+	
GRP 6	60Kb-014	VOL	40k+	NONE	0.75-11.1	IFR-MT				
GRP 8	60Kb-010	PTLQ-3	40k+	NONE	0.75-11.1	IFR-MT				
GRP 8	60Kb-011	PTCD-AF3	40k+	NONE	0.75-11.1	IFR-MT				
GRP 8	60Kb-012	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2-	
GRP 8	60Kb-013	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-MT			CR2+	
GRP 8	60Kb-014	VOL	40k+	NONE	0.75-11.1	IFR-MT				

**Storage Tank/Vessel Attributes  
Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)  
Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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 8	60Kb-001	PTLQ-3	40k+	NONE	0.5-0.75	IFR-MT				
GRP 8	60Kb-002	PTLQ-3	40k+	IFR	0.75-11.1	IFR-MT		SLEEVE		
GRP 8	60Kb-003	PTCD-AF3	40k+	NONE	0.5-0.75	IFR-MT				
GRP 8	60Kb-004	PTCD-AF3	40k+	IFR	0.75-11.1	IFR-MT		SLEEVE		
GRP 8	60Kb-005	CRUD-AF3	40k+	NONE	0.5-0.75	IFR-MT			CR2-	
GRP 8	60Kb-006	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		SLEEVE	CR2-	
GRP 8	60Kb-007	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-MT		SLEEVE	CR2+	
GRP 8	60Kb-008	VOL	40k+	NONE	0.5-0.75	IFR-MT				
GRP 8	60Kb-009	VOL	40k+	IFR	0.75-11.1	IFR-MT		SLEEVE		

**Storage Tank/Vessel Attributes**

**Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)**

**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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 9	60Kb-001	PTLQ-3	40k+	NONE	0.5-0.75	IFR-SL				
GRP 9	60Kb-002	PTLQ-3	40k+	IFR	0.75-11.1	IFR-SL		NONE		
GRP 9	60Kb-003	PTCD-AF3	40k+	NONE	0.5-0.75	IFR-SL				
GRP 9	60Kb-004	PTCD-AF3	40k+	IFR	0.75-11.1	IFR-SL		NONE		
GRP 9	60Kb-005	CRUD-AF3	40k+	NONE	0.5-0.75	IFR-SL			CR2-	
GRP 9	60Kb-006	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-SL		NONE	CR2-	
GRP 9	60Kb-007	CRUD-AF3	40k+	IFR	0.75-11.1	IFR-SL		NONE	CR2+	
GRP 9	60Kb-008	VOL	40k+	NONE	0.5-0.75	IFR-SL				
GRP 9	60Kb-009	VOL	40k+	IFR	0.75-11.1	IFR-SL		NONE		

**Storage Tank/Vessel Attributes**

**Form OP-UA3 (Page 3)**

**Federal Operating Permit Program**

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

**Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)**

**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
July 2025	O1043	RN100224740

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 9	60Kb-010	PTLQ-3	40k+	NONE	0.75-11.1	IFR-SL				
GRP 9	60Kb-011	PTCD-AF3	40k+	NONE	0.75-11.1	IFR-SL				
GRP 9	60Kb-012	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-SL			CR2-	
GRP 9	60Kb-013	CRUD-AF3	40k+	NONE	0.75-11.1	IFR-SL			CR2+	
GRP 9	60Kb-014	VOL	40k+	NONE	0.75-11.1	IFR-SL				

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Wednesday, July 2, 2025 9:46 AM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I wanted to forward a question from my monitoring specialist about the case-by-case monitoring requirement for 30 TAC Chapter 117, Subchapter B for CO for Group ID GRP BOIL1, Index No. R7-BOIL1-001. The information needing clarification is as follows:

*The periodic monitoring text states that the fuel consumption rate would be used with AP-42 emission factors, or the most recent stack test and engineering calculations to calculate the CO emission rate, and that the calculated CO emission rate would be less than the CO concentration of 400 ppmv and the maximum fuel consumption rate.*

*However, the justification/data provided shows using a heat input and the permitted CO emission rate in lb/hr and ppm. It's not clear if the fuel consumption rate is being used with AP-42 emission factors, or the most recent stack test and engineering calculations to calculate the CO emission rate or what the maximum fuel consumption rate is. If you are wanting to instead use the permitted emission factors and permitted CO emission rate and then compare that to the emission limit from the rule, the periodic monitoring text should reference that instead. As of right now, the periodic monitoring text and the justification provided are demonstrating different things.*

Please provide me with a response by **Friday, July 11<sup>th</sup>**. 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:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>

**Sent:** Thursday, June 26, 2025 2:15 PM

**To:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>

**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon Kyle. We were unable to field verify fittings last week due to the weather. Progress has been made this week. We hope to have preliminary data by the end of tomorrow and updated forms to you early next week.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

---

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

**Sent:** Monday, June 9, 2025 10:39 AM

**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>

**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I can extend the deadline to **Friday, 06/13**, if you could have the updates to me by noon. Let me know if this works for you and let me know if you have any question. 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:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>

**Sent:** Friday, June 6, 2025 10:49 AM

**To:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>

**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

While updating the Kb entries in OP-UA3, we discovered possible discrepancies between tanks in some of the groups. Due to the new form entries, we may need to split into more groups. We are currently trying to verify the seal and guide pole controls on the tanks to ensure we have tanks in the appropriate group, but this could take some time. Can you extend the 6/9 deadline to have our response to you?

Thank you,

Michael Chastant

Staff Environmental Engineer



1100 Louisiana St

Houston, TX 77002

Office: 713-381-6617

Mobile: 713-376-6745

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Monday, June 2, 2025 1:53 PM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>; Williams, David <[DFWilliams@eprod.com](mailto:DFWilliams@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon all,

I apologize for the oversight, but your permit currently has manually built citations for several units subject to NSPS Kb. These citations were added in a recent minor revision application to clarify compliance with 40 CFR 63 Subpart WW for several storage tanks. Since that revision, the OP-UA3 Form for NSPS Kb has been updated to incorporate questions pertaining to those citations. According to my notes, applicable requirements were manually updated for storage tanks 260-5, GRP 4, GRP 6, GRP 8, and GRP 9. Please submit an updated **Form OP-UA3 – Table 3** for these Unit IDs. There are new answer codes for Storage Vessel Description that need to be reviewed, and WW Tank Control is also a new question that requires an answer. You may leave the answer for Maximum True Vapor Pressure on the form regardless of what the form instructions say since there will most likely be further updates to these instructions in the future. Please also review and provide updates to any other storage tanks on this UA form at this time. Kindly submit these updates by **Monday, June 9<sup>th</sup>**. I will send you a revised WDP to look over after I incorporate these updates, but the citations in the permit should remain the same. 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:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Tuesday, May 27, 2025 3:52 PM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson; Williams, David  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** HSC OP-SUMR May 2025.pdf; HSC OP-UA12 EEEE.pdf; HSC OP-UA3 EEEE.pdf; HSC OP-UA4 EEEE.pdf; OP-MON backup calculations.pdf; GRP Boil1 OP-MON.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good afternoon Kyle,

Our responses to your requests are below and the updated files are attached. Please let me know if you have any additional questions.

1. An updated OP-SUM adding N054 everywhere NSR Permit 5631 appears is attached.
2. You only mentioned updating OP-UA3 with the new MACT EEEE forms. But there is also a similar situation with loading and fugitives. Updates to OP-UA3, OP-UA4, and OP-UA12 to address EEEE requirements are therefore attached.
3. An OP-MON Table 1c for GRP BOIL1 is attached. The case-by-case addition monitors fuel consumption which is then used to calculate the concentration of CO. As demonstrated by the attached calculations, the permitted PTEs for these boilers are well below the 400 ppm limit in 30 TAC 117.310(c).

Thank you,

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

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 [1]	Permitted CO Emission Rate (lb/hr)	Permitted CO Emission Rate (ppm) [2]
S-11	S-11	Boiler S-11	10.05	87535.5	1.74	234.09
S-12	S-12	Boiler S-12	10.05	87535.5	1.74	234.09
S-13	S-13	Boiler S-13	10.05	87535.5	1.74	234.09
S-16	S-16	Boiler S-16	10.05	87535.5	1.74	234.09
S-17	S-17	Boiler S-17	10.05	87535.5	1.74	234.09
S-18	S-18	Boiler S-18	10.05	87535.5	1.74	234.09
S-20	S-20	Boiler S-20	10.05	87535.5	1.74	234.09
S-23	S-23	Boiler S-23	24.11	209998.1	3.96	222.07

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

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

**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 242)**  
**Federal Operating Permit Program**  
**Table 23a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
May 2025	01043	RN100224740

Unit ID. No.	SOP Index No.	Means of Compliance	General AMEL ID No.	TT Units Without an AMEL	Heavy Liquid Service	H Units Without an AMEL
GRP FUG BZ	63EEEE-001	63TT				

**Fugitive Emission Unit Attributes**  
**Form OP-UA12 (Page 243)**  
**Federal Operating Permit Program**  
**Table 23b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
May 2025	01043	RN100224740

Unit ID. No.	SOP Index No.	Title 40 CFR Part 63, Subpart EEEE		Fugitive Unit Components		Complying with	MACT TT
		Valves		Pumps		Sampling Connection Systems	Open-ended Valves
		Light Liquid Service	Heavy Liquid Service	Light Liquid Service	Heavy Liquid Service		
GRP FUG BZ	63EEEE-001	YES	YES	YES	YES	YES	YES



**Storage Tank/Vessel Attributes**  
**Form OP-UA3 (Page 75)**  
**Federal Operating Permit Program**  
**Table 29a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
May 2025	01043	RN100224740

Unit ID No.	SOP/GOP Index No.	Means of Compliance	AMOC ID No.	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement	Construction Date
260-5	63EEEE-001	FLOAT						
<del>260-5</del>	<del>63EEEE-002</del>							
300-21	63EEEE-001	FLOAT						
<del>300-21</del>	<del>63EEEE-002</del>							
300-22	63EEEE-001	FLOAT						
<del>300-22</del>	<del>63EEEE-002</del>							
GRP 2	63EEEE-001	FLOAT						
<del>GRP 2</del>	<del>63EEEE-002</del>							
GRP 3	63EEEE-001	FLOAT						
<del>GRP 3</del>	<del>63EEEE-002</del>							

**Storage Tank/Vessel Attributes**  
**Form OP-UA3 (Page 75)**  
**Federal Operating Permit Program**  
**Table 29a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)**  
**Subpart EEEE: National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)**  
**Texas Commission on Environmental Quality**

Date	Permit No.	Regulated Entity No.
May 2025	01043	RN100224740

Unit ID No.	SOP/GOP Index No.	Means of Compliance	AMOC ID No.	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement	Construction Date
GRP 4	63EEEE-001	FLOAT						
<del>GRP 4</del>	<del>63EEEE-002</del>							
GRP 6	63EEEE-001	FLOAT						
<del>GRP 6</del>	<del>63EEEE-002</del>							
GRP 8	63EEEE-001	FLOAT						
<del>GRP 8</del>	<del>63EEEE-002</del>							
GRP 9	63EEEE-001	FLOAT						
<del>GRP 9</del>	<del>63EEEE-002</del>							

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
May 2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	SD-8/9	OP-SUMR	SHIP DOCK 8/9		5631 106.261/11/01/2003[109703] 106.262/11/01/2003[109703] 106.261/11/01/2003[155108]	N054
	3	VCT-1	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 106.263/11/01/2001[153555] 106.263/11/01/2001[147683] 106.263/11/01/2001[157090]	N054
	3	175-59	OP-SUMR	IFR TANK 175-59		5631 106.261/11/01/2003[152684] 106.478/09/04/2000[152684]	N054
	3	200-56	OP-SUMR	IFR TANK 200-56		5631 106.261/11/01/2003[152684] 106.478/09/04/2000[152684]	N054
	3	200-57	OP-SUMR	IFR TANK 200-57		5631 106.261/11/01/2003[152684] 106.478/09/04/2000[152684]	N054
	3	200-58	OP-SUMR	IFR TANK 200-58		5631 106.261/11/01/2003[152684] 106.478/09/04/2000[152684]	N054
	3	SD-4	OP-SUMR	SHIP DOCK 4		5631 106.261/11/01/2003[155108]	N054
	3	SD-5	OP-SUMR	SHIP DOCK 5		5631 106.261/11/01/2003[155108]	N054
	3	SD-6	OP-SUMR	SHIP DOCK 6		5631 106.261/11/01/2003[155108]	N054
	3	SD-7	OP-SUMR	SHIP DOCK 7		5631 106.261/11/01/2003[155108]	N054
	3	TR-1	OP-SUMR	TRUCK RACK 1		5631 106.261/11/01/2003[155108]	N054
	3	TR-2	OP-SUMR	TRUCK RACK 2		5631 106.261/11/01/2003[155108]	N054
	3	VCT-2	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 106.263/11/01/2001[157090]	N054

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
May 2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	VCT-3	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 106.263/11/01/2001[157090]	N054
A	13	FUG SD-1	OP-SUMR	SHIP DOCK 1 FUGITIVE AREA		5631	N054
A	14	FUG SD-1A	OP-SUMR	SHIP DOCK 1A FUGITIVE AREA		5631	N054
	3	100-60	OP-SUMR	IFR TANK 100-60		5631, 106.261/11/01/2003, 106.478/09/04/2000	N054
	3	100-61	OP-SUMR	IFR TANK 100-61		5631, 106.261/11/01/2003, 106.478/09/04/2000	N054
	3	100-63	OP-SUMR	IFR TANK 100-63		5631, 106.261/11/01/2003, 106.478/09/04/2000	N054
	3	200-20	OP-SUMR	IFR TANK 200-20		5631, 106.261/11/01/2003, 106.478/09/04/2000	N054
	3	390-26	OP-SUMR	IFR TANK 390-26		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.478/09/04/2000	N054
	3	390-27	OP-SUMR	IFR TANK 390-27		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.478/09/04/2000	N054
	3	390-30	OP-SUMR	IFR TANK 390-30		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000, 106.478/09/04/2000	N054
	3	390-31	OP-SUMR	IFR TANK 390-31		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000, 106.478/09/04/2000	N054
	3	390-32	OP-SUMR	IFR TANK 390-32		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000, 106.478/09/04/2000	N054
	3	390-33	OP-SUMR	IFR TANK 390-33		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000, 106.478/09/04/2000	N054

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
May 2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	390-34	OP-SUMR	IFR TANK 390-34		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.478/09/04/2000	N054
	3	80-62	OP-SUMR	IFR TANK 80-62		5631, 106.261/11/01/2003, 106.478/09/04/2000	N054
	3	80-64	OP-SUMR	IFR TANK 80-64		5631, 106.261/11/01/2003, 106.478/09/04/2000	N054
	3	MVC-401	OP-SUMR	MARINE VAPOR COMBUSTOR 2 (401)		5631, 158489, 106.261/11/01/2003	N054
	3	MVC-860	OP-SUMR	MARINE VAPOR COMBUSTOR 3A (860)		5631, 158489, 106.261/11/01/2003	N054
	3	MVC-870	OP-SUMR	MARINE VAPOR COMBUSTOR 3B (870)		5631, 158489, 106.261/11/01/2003	N054
		100-47	OP-SUMR	IFR TANK 100-47		5631	N054
		100-48	OP-SUMR	IFR TANK 100-47		5631	N054
		100-49	OP-SUMR	IFR TANK 100-47		5631	N054
		100-54	OP-SUMR	IFR TANK 100-47		5631	N054
		100-55	OP-SUMR	IFR TANK 100-47		5631	N054
		150-40	OP-SUMR	IFR TANK 150-40		5631	N054
		150-41	OP-SUMR	IFR TANK 150-41		5631	N054
		150-42	OP-SUMR	IFR TANK 150-42		5631	N054
		150-9	OP-SUMR	IFR TANK 150-9		5631	N054
		200-11	OP-SUMR	IFR TANK 200-11		5631	N054
		200-51	OP-SUMR	IFR TANK 200-51		5631	N054
		200-53	OP-SUMR	IFR TANK 200-53		5631	N054
		200-8	OP-SUMR	IFR TANK 200-8		5631	N054
		250-50	OP-SUMR	IFR TANK 250-50		5631	N054
		250-52	OP-SUMR	IFR TANK 250-52		5631	N054
		260-5	OP-SUMR	IFR TANK 260-5		5631	N054
		260-6	OP-SUMR	IFR TANK 260-6		5631	N054
		27-14	OP-SUMR	IFR TANK 27-14		5631	N054
		27-15	OP-SUMR	IFR TANK 27-15		5631	N054
		300-1	OP-SUMR	IFR TANK 300-1		5631	N054
		300-2	OP-SUMR	IFR TANK 300-2		5631	N054
		300-21	OP-SUMR	IFR TANK 300-21		5631	N054
		300-22	OP-SUMR	IFR TANK 300-22		5631	N054
		300-3	OP-SUMR	IFR TANK 300-3		5631	N054
		300-4	OP-SUMR	IFR TANK 300-4		5631	N054



**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.: HG0531D	RN No.: RN100224740	CN: CN603211277
Permit No: O1043		Project No.: 37166
Area Name: Houston Terminal		
Company Name: Enterprise Products Operating LLC		
<b>II. Unit/Emission Point/Group/Process Information</b>		
Revision No.: N/A		
Unit/EPN/Group/Process ID No.: GRP BOIL1		
Applicable Form: OP-UA6		
<b>III. Applicable Regulatory Requirement</b>		
Name: 30 TAC Chapter 117 Subchapter B		
SOP/GOP Index No.: R7-BOIL1-001		
Pollutant: CO		
Main Standard: §117.310(c)(1)		
Monitoring Type: PM		
Unit Size: N/A		
Deviation Limit: 400 ppm		
<b>IV. Control Device Information</b>		
Control Device ID No.:		
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: Fuel Consumption	Minimum Frequency: Once per week	
Averaging Period: N/A		
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be		

**I. Identifying Information**

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 and engineering calculations to calculate the CO emission rate. The calculated CO emission rate shall be less than the deviation limit of a CO concentration of 400 ppmv and the maximum fuel consumption rate. Any calculated emission rate above the maximum limit shall be considered and reported as a deviation.

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Monday, May 19, 2025 1:56 PM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon all,

In a final review of your application, my technical specialist identified some additional discrepancies that will need to be resolved to move forward with the application process. Please address the following items by Thursday, **May 29<sup>th</sup>**.

1. **Form OP-SUMR** – For all units authorized by NSR Permit #5631, please also add Non-Attainment Permit #N054 since these permits are associated together. I have updated your WDP.
2. **Form OP-UA3 – MACT EEEE** - Your permit currently has high-level requirements for units subject to MACT EEEE. Our RRT has been updated since your last renewal; please fill out the OP-UA3 for MACT EEEE for all units subject to the rule.
3. **Form OP-MON – Group ID GRP BOIL1 – Index # R7-BOIL1-001** – This group requires additional monitoring for 30 TAC Chapter 117, Subchapter B for Carbon Monoxide (CO). Please provide me with a Form OP-MON for this Group ID.

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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**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Thursday, April 24, 2025 9:25 AM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Thank you for the opportunity to review the revised draft. We have no comments. 02/24/2022 is still the most recent version of Permit 5631/N054.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Thursday, April 17, 2025 3:26 PM  
**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>  
**Subject:** [EXTERNAL] RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

[Use caution with links/attachments]

Good afternoon all,

I apologize for the oversight, but I neglected to include the Major NSR Summary table from your last renewal application in this WDP. There does not appear to be any updates needed to the contents of the table since the most recent revision to NSR Permit Registration #5631/N054 occurred on 02/24/2022 (reflected in the current table). Please confirm this is correct. The Major NSR Summary Table is included in the attached revised WDP for your review. Please disregard the previous WDP, but still adhere to the **Thursday, April 24<sup>th</sup>** deadline for your response.

Let me know if you have any questions. 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)

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---

**From:** Kyle Murray

**Sent:** Thursday, April 17, 2025 11:32 AM

**To:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>; Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>

**Cc:** Ritcheson, Jefferson <[jhritcheson@eprod.com](mailto:jhritcheson@eprod.com)>

**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning all,

I have updated the WDP according to your comments and updated forms you provided. Please review the revised WDP and provide me with any further comments you may have at your earliest convenience or by **Thursday, April 24<sup>th</sup>**. If you have no comments, please indicate your approval and we will proceed towards public notice. 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)

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Fax: (512) 239-1400



How are we doing? Fill out our online customer satisfaction survey at [www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

**From:** Chastant, Michael <MDChastant1@eprod.com>  
**Sent:** Tuesday, April 8, 2025 2:59 PM  
**To:** Kyle Murray; Bissonnette, Daniel  
**Cc:** Ritcheson, Jefferson  
**Subject:** RE: Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** HSC OP-PBRSUP April 2025 update.pdf; HSC OP-SUMR April 2025 update.pdf  
  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good afternoon Mr. Murray,

Thank you for the opportunity to review the draft permit. Enterprise's comments can be found below. Please let me know if you have any questions.

1. The New Source Review Authorization References date for Permit 87492 is listed as 7/19/2019. It should be 07/19/2019 to be consistent with the formatting for all of the other dates in that section of the permit.
2. We identified a PBR modifying several fugitive areas that we believe should be listed in the Title V. The updated OP-SUMR and OP-PBRSUP are attached with the changes marked in red.

Michael Chastant  
Staff Environmental Engineer



1100 Louisiana St  
Houston, TX 77002  
Office: 713-381-6617  
Mobile: 713-376-6745

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.
4/8/2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	FUG 100	OP-SUMR	FUG 100 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[73860] 106.261/11/01/2003[109320] 106.261/11/01/2003[105067] 106.261/11/01/2003[155108] 106.261/11/01/2003[163666] 106.262/11/01/2003[163666] 106.261/11/01/2003[119743] 106.262/11/01/2003[119743]	N054
	3	FUG 200	OP-SUMR	FUG 200 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[109320] 106.261/11/01/2003[92912] 106.261/11/01/2003[94991] 106.261/11/01/2003[113313] 106.261/11/01/2003[155108] 106.261/11/01/2003[163666] 106.262/11/01/2003[163666] 106.261/11/01/2003[119743] 106.262/11/01/2003[119743]	N054
	3	FUG 400	OP-SUMR	FUG 400 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[119743] 106.262/11/01/2003[119743]	N054

**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
4/8/2025	O1043	100224740

Unit ID No.	Registration No.	PBR No.	Registration Date
VCT-3	157090	106.263	6/13/2019
175-59	152684	106.478	8/17/2018
175-59	152684	106.261	8/17/2018
200-56	152684	106.478	8/17/2018
200-56	152684	106.261	8/17/2018
200-57	152684	106.478	8/17/2018
200-57	152684	106.261	8/17/2018
200-58	152684	106.478	8/17/2018
200-58	152684	106.261	8/17/2018
265-28	92912	106.478	01/07/2019
265-28	92912	106.263	01/07/2019
275-70	99145	106.478	02/18/2019
275-71	96611	106.261	02/22/2019
275-71	96611	106.263	02/22/2019
275-71	96611	106.478	02/22/2019
275-72	96611	106.261	02/22/2019
275-72	96611	106.263	02/22/2019
275-72	96611	106.478	02/22/2019
275-73	99145	106.478	02/18/2019
30-10	157088	106.478	10/30/2023
30-13	157088	106.478	10/30/2023
390-35	92912	106.478	01/07/2019
390-35	92912	106.263	01/07/2019
390-36	94991	106.478	01/22/2019
390-36	94991	106.263	01/22/2019
390-6005	147683	106.478	03/05/2019
390-6006	147683	106.478	03/05/2019
390-6007	147683	106.478	03/05/2019
390-6008	147683	106.478	03/05/2019
390-6009	153555	106.478	11/29/2018
390-6010	157090	106.478	6/13/2019
390-6011	157090	106.478	6/13/2019
390-6012	157090	106.478	6/13/2019
80-1	157088	106.478	10/30/2023

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

Date	Permit Number	Regulated Entity Number
4/8/2025	O1043	100224740

Unit ID No.	Registration No.	PBR No.	Registration Date
80-2	157088	106.478	10/30/2023
80-3	70963	106.472	2/12/2004
80-3	157088	106.478	10/30/2023
80-37	113313	106.478	01/22/2019
COAT433	86536	106.433	11/18/2008
COAT433	86536	106.452	11/18/2008
FUG 100	73860	106.261	10/26/2004
FUG 100	105067	106.261	01/22/2019
FUG 100	109320	106.261	01/11/2017
FUG 100	119743	106.261	01/11/2017
FUG 100	119743	106.262	01/11/2017
FUG 100	155108	106.261	5/29/2019
FUG 100	163666	106.261	1/7/2021
FUG 100	163666	106.262	1/7/2021
FUG 200	92912	106.261	01/07/2019
FUG 200	94991	106.261	01/22/2019
FUG 200	109320	106.261	01/11/2017
FUG 200	113313	106.261	01/22/2019
FUG 200	163666	106.261	1/7/2021
FUG 200	163666	106.262	1/7/2021
FUG 200	155108	106.261	5/29/2019
FUG 200	119743	106.261	01/11/2017
FUG 200	119743	106.262	01/11/2017
FUG 300	155108	106.261	5/29/2019
FUG 400	119743	106.261	01/11/2017
FUG 400	119743	106.262	01/11/2017
FUG 500	155108	106.261	5/29/2019
FUG 600	99145	106.261	02/18/2019
FUG 600	109320	106.261	01/11/2017
FUG 600	113313	106.261	01/22/2019
FUG 600	155108	106.261	5/29/2019
FUG 700	155108	106.261	5/29/2019
FUG 800	155108	106.261	5/29/2019
FUG 800	157088	106.478	10/30/2023

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

Date	Permit Number	Regulated Entity Number
4/8/2025	O1043	100224740

Unit ID No.	Registration No.	PBR No.	Registration Date
FUG 900	147683	106.478	03/05/2019
FUG 900	153555	106.262	11/29/2018
FUG 900	157090	106.262	6/13/2019
FUG BD-D	155108	106.261	5/29/2019
FUG SD-6/7	109320	106.261	01/11/2017
FUG SD-6/7	109703	106.261	6/28/2013
FUG SD-6/7	109703	106.262	6/28/2013
FUG SD-8/9	109320	106.261	01/11/2017
FUG SD-8/9	109703	106.261	6/28/2013
FUG SD-8/9	109703	106.262	6/28/2013
FUG TR-1/2	52653	106.261	10/15/2002
KILGORE	155108	106.261	5/29/2019
PR FUG	155108	106.261	5/29/2019
R8-1	105067	106.478	01/22/2019
R8-2	105067	106.478	01/22/2019
SD-4	155108	106.261	5/29/2019
SD-5	155108	106.261	5/29/2019
SD-6	155108	106.261	5/29/2019
SD-7	155108	106.261	5/29/2019
SD-8/9	109703	106.261	6/28/2013
SD-8/9	109703	106.262	6/28/2013
SD-8/9	155108	106.261	5/29/2019
SITEWIDE	99145	106.263	02/18/2019
SITEWIDE	105067	106.263	01/22/2019
SITEWIDE	113313	106.263	01/22/2019
SITEWIDE	147683	106.263	03/05/2019
SITEWIDE	153555	106.263	11/29/2018
SITEWIDE	157090	106.263	6/13/2019
TR-1	155108	106.261	5/29/2019
TR-2	155108	106.261	5/29/2019
VCT-1	147683	106.263	03/05/2019
VCT-1	153555	106.263	11/29/2018
VCT-1	157090	106.263	6/13/2019
VCT-2	157090	106.263	6/13/2019

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
4/8/2025	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>
SITEWIDE	106.263	11/01/2001
S-11	106.183	09/04/2000
S-12	106.183	09/04/2000
S-13	106.183	09/04/2000
S-16	106.183	09/04/2000
S-17	106.183	09/04/2000
S-18	106.183	09/04/2000
S-20	106.183	09/04/2000
S-23	106.183	09/04/2000
EMERGGEN-1	106.511	09/04/2000
EMERGGEN-2	106.511	09/04/2000
FIREPUMP-1	106.511	09/04/2000
FIREPUMP-2	106.511	09/04/2000
FIREPUMP-3	106.511	09/04/2000
FIREPUMP-4	106.511	09/04/2000
FIREPUMP-5	106.511	09/04/2000
WEST-PUMP1	106.511	09/04/2000
WEST-PUMP2	106.511	09/04/2000
TK-9000	106.473	09/04/2000
100-60	106.478	09/04/2000
100-61	106.478	09/04/2000
100-63	106.478	09/04/2000
200-20	106.478	09/04/2000
390-26	106.478	09/04/2000
390-27	106.478	09/04/2000
390-34	106.478	09/04/2000
80-62	106.478	09/04/2000
80-64	106.478	09/04/2000



**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
4/8/2025	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
VCT-3	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
175-59	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
175-59	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
200-56	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-56	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
200-57	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-57	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
200-58	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-58	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
265-28	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
265-28	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
275-70	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
275-71	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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
4/8/2025	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
275-71	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
275-71	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
275-72	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
275-72	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
275-72	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
275-73	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
30-10	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
30-13	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-35	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-35	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
390-36	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-36	106.263	11/01/2001	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
4/8/2025	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
390-6005	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6006	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6007	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6008	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6009	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6010	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6011	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6012	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-1	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-2	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-3	106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
80-3	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-37	106.478	09/04/2000	Maintain records of material throughputs and materials stored.

**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
4/8/2025	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
COAT433	106.433	09/04/2000	Maintain the following records in accordance with 30 TAC §106.433(8) for the most recent 24 -month period: (a) Material Safety Data Sheets for all coating materials and solvents; (b) data of daily coatings and solvent use, and the actual hours of operation of each coating operation; (c) a monthly report that of actual hours of operation each day, and emissions from each operation; and (d) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.
COAT433	106.452	09/04/2000	The facility will maintain records for outside blast cleaning, including abrasive material usage and operating hours, in accordance with 30 TAC §106.452(2).
EMERGGEN-1	106.511	09/04/2000	Maintain records of total runtime hours per month.
EMERGGEN-2	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-1	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-2	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-3	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-4	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-5	106.511	09/04/2000	Maintain records of total runtime hours per month.

**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
4/8/2025	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
FUG 100	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 100	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 100	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 100	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 200	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 200	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 200	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 200	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 300	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 400	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

Date	Permit Number	Regulated Entity Number
4/8/2025	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
FUG 400	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 500	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 600	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 700	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 800	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 800	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
FUG 900	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 900	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
FUG BD-D	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG SD-6/7	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

Date	Permit Number	Regulated Entity Number
4/8/2025	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
FUG SD-6/7	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG SD-8/9	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG SD-8/9	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG TR-1/2	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
KILGORE	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
PR FUG	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
R8-1	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
R8-2	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
S-11	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
4/8/2025	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
S-12	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-13	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-16	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-17	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-18	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-20	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-23	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
SD-4	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-5	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-6	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
4/8/2025	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
SD-7	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-8/9	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-8/9	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
SITEWIDE	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
TK-9000	106.473	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored and loading rates.
TR-1	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
TR-2	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
VCT-1	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
VCT-2	106.263	11/01/2001	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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
4/8/2025	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
WEST-PUMP1	106.511	09/04/2000	Maintain records of total runtime hours per month.
WEST-PUMP2	106.511	09/04/2000	Maintain records of total runtime hours per month.
100-60	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
100-61	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
100-63	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-20	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-26	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-27	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-34	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-62	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-64	106.478	09/04/2000	Maintain records of material throughputs and materials stored.

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**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Friday, March 7, 2025 1:50 PM  
**To:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Cc:** Chastant, Michael <[MDChastant1@eprod.com](mailto:MDChastant1@eprod.com)>  
**Subject:** [EXTERNAL] Working Draft Permit -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good afternoon Mr. Bissonnette,

I have conducted a technical review of the renewal 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 **Tuesday, April 8, 2024.**

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

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**From:** Quesada, Daniel <DEQuesada@eprod.com>  
**Sent:** Friday, February 28, 2025 8:01 AM  
**To:** Kyle Murray  
**Cc:** Bissonnette, Daniel; Chastant, Michael  
**Subject:** RE: Technical Review -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal  
**Attachments:** OP-SUMR Update.pdf; OP-UA6 Update.pdf; OP-UA4 Update.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Kyle,

I've attached the updated forms here. Let me know if you need anything additional.

Thanks

Daniel Quesada  
Environmental Engineer  
1100 Louisiana St.  
Houston, Texas 77002  
(O) 713-381-6770  
(C) 832-504-6078



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

Date	Permit No.	Regulated Entity No.
02/28/2025	O1043	RN100224740

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
GRP BOIL1	63DDDDDB1	EXIST	T3.3G1		

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

Date	Permit No.:	Regulated Entity No.
02/28/2025	O1043	RN100224740

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Through-put	Control Options
GRP 14	115LD14G1	MARINE	NONE		GAS1	LOAD	0.5+	NCE3	CON
GRP 14	115LD14G1A	MARINE	NONE		GAS1	UNLOAD	0.5+		CON
GRP 14	115LD14V1	MARINE	NONE		VOC1	LOAD	0.5-		
GRP 14	115LD14V1A	MARINE	NONE		VOC1	UNLOAD	0.5-		
GRP 14	115LD14V2	MARINE	NONE		VOC1	LOAD	0.5+	NCE3	CON
GRP 14	115LD14V2A	MARINE	NONE		VOC1	UNLOAD	0.5+		CON
GRP 14	R5111	MARINE	NONE		VOC1	LOAD	0.5-		
GRP 14	R5111A	MARINE	NONE		VOC1	UNLOAD	0.5-		
GRP 14	R5112	MARINE	NONE		VOC1	LOAD	0.5+	NCE3	CON
GRP 14	R5112A	MARINE	NONE		VOC1	UNLOAD	0.5+		CON



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

Date	Permit No.:	Regulated Entity No.
02/28/2025	O1043	RN100224740

Unit ID No.	SOP Index No.	Chapter 115 Control Device Type	Chapter 115 Control Device ID No.	Vapor-Tight	Vapor Space Holding Tank	Marine Terminal Exemptions	VOC Flash Point	Uncontrolled VOC Emissions
GRP 14	115LD14G1	COMB	GRP MVC	NO		YES	150+	100-
GRP 14	115LD14G1A	NONE		NO				
GRP 14	115LD14V2	COMB	GRP MVC	NO		YES	150+	100-
GRP 14	115LD14V2A	NONE		NO				
GRP 14	R5112	NONE		NO		YES	150-	100-
GRP 14	R5112A	NONE		NO				

Texas Commission on Environmental Quality  
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Date	Permit No.	Regulated Entity No.
2/28/2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	FUG TR-1/2	OP-SUMR	TRUCK RACK EQUIPMENT FUGITIVES		5631 106.261/09/04/2000[52653]	N054
	3	80-3	OP-SUMR	FR STORAGE TANK 80-3		<del>106.261/11/01/2003</del> 106.472/09/04/2000[70963] 106.478/09/04/2000[157088]	
	3	FUG 100	OP-SUMR	FUG 100 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[73860] 106.261/11/01/2003[109320] 106.261/11/01/2003[105067] 106.261/11/01/2003[155108] 106.261/11/01/2003[163666] 106.262/11/01/2003[163666]	N054
	3	COAT433	OP-SUMR	LAYDOWN1		106.433/09/04/2000[86536] 106.452/09/04/2000[86536]	
	3	FUG 200	OP-SUMR	FUG 200 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[109320] 106.261/11/01/2003[92912] 106.261/11/01/2003[94991] 106.261/11/01/2003[113313] 106.261/11/01/2003[155108] 106.261/11/01/2003[163666] 106.262/11/01/2003[163666]	N054
	3	390-35	OP-SUMR	IFR TANK 390-35		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/09/04/2000[92912] 106.263/11/01/2001[92912]	
	3	265-28	OP-SUMR	IFR TANK 265-28		<del>106.262/11/01/2003</del> 106.478/09/04/2000[92912] 106.263/11/01/2001[92912]	
	3	390-36	OP-SUMR	IFR TANK 390-36		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/09/04/2000[94991] 106.263/11/01/2001[94991]	

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<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
2/28/2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	275-71	OP-SUMR	IFR TANK 275-71		<del>106.262/11/01/2003</del> 106.261/11/01/2003[96611] 106.263/11/01/2001[96611] 106.478/09/04/2000[96611]	
	3	275-72	OP-SUMR	IFR TANK 275-72		<del>106.262/11/01/2003</del> 106.261/11/01/2003[96611] 106.263/11/01/2001[96611] 106.478/09/04/2000[96611]	
	3	275-70	OP-SUMR	IFR TANK 275-70		<del>106.262/11/01/2003</del> 106.478/09/04/2000[99145]	
	3	275-73	OP-SUMR	IFR TANK 275-73		<del>106.262/11/01/2003</del> 106.478/09/04/2000[99145]	
	3	FUG 600	OP-SUMR	FUG 600 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[109320] 106.261/11/01/2003[99145] 106.261/11/01/2003[113313] 106.261/11/01/2003[155108]	N054
	3	R8-1	OP-SUMR	IFR TANK R8-1		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/09/04/2000[105067]	
	3	R8-2	OP-SUMR	IFR TANK R8-2		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/09/04/2000[105067]	
	3	FUG SD-6/7	OP-SUMR	SHIP DOCK 6/7 FUGITIVES		5631 106.261/11/01/2003[109703] 106.262/11/01/2003[109703] 106.261/11/01/2003[109320]	N054
	3	SD-8/9	OP-SUMR	SHIP DOCK 8/9		5631 106.261/11/01/2003[109703] 106.262/11/01/2003[109703] 106.261/11/01/2003[155108]	
	3	80-37	OP-SUMR	IFR TANK 80-37		<del>106.262/11/01/2003</del> 106.478/09/04/2000[113313]	
	3	390-6005	OP-SUMR	DEFR TANK 390-6005		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> 106.478/09/04/2000[147683]	

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2/28/2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	390-6006	OP-SUMR	DEFR TANK 390-6006		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/09/04/2000[147683]</b>	
	3	390-6007	OP-SUMR	DEFR TANK 390-6007		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/09/04/2000[147683]</b>	
	3	390-6008	OP-SUMR	DEFR TANK 390-6008		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/09/04/2000[147683]</b>	
	3	VCT-1	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 <del>106.263/11/01/2001[153555]</del> <del>106.263/11/01/2001[147683]</del> <del>106.263/11/01/2001[157090]</del>	
	3	175-59	OP-SUMR	IFR TANK 175-59		5631 <del>106.261/11/01/2003[152684]</del> <del>106.478/09/04/2000[152684]</del>	
	3	200-56	OP-SUMR	IFR TANK 200-56		5631 <del>106.261/11/01/2003[152684]</del> <del>106.478/09/04/2000[152684]</del>	
	3	200-57	OP-SUMR	IFR TANK 200-57		5631 <del>106.261/11/01/2003[152684]</del> <del>106.478/09/04/2000[152684]</del>	
	3	200-58	OP-SUMR	IFR TANK 200-58		5631 <del>106.261/11/01/2003[152684]</del> <del>106.478/09/04/2000[152684]</del>	
	3	390-6009	OP-SUMR	DEFR TANK 390-6009		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/09/04/2000[153555]</b>	
	3	FUG 300	OP-SUMR	FUG 300 MANIFOLD FUGITIVES		5631 <b>106.261/11/01/2003[155108]</b>	N054
	3	FUG 500	OP-SUMR	FUG 500 MANIFOLD FUGITIVES		5631 <b>106.261/11/01/2003[155108]</b>	N054
	3	FUG BD-D	OP-SUMR	BARGE DOCK D FUGITIVES		5631 <b>106.261/11/01/2003[155108]</b>	N054
	3	SD-4	OP-SUMR	SHIP DOCK 4		5631 <b>106.261/11/01/2003[155108]</b>	

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<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
2/28/2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	SD-5	OP-SUMR	SHIP DOCK 5		5631 <del>106.261/11/01/2003</del> [155108]	
	3	SD-6	OP-SUMR	SHIP DOCK 6		5631 <del>106.261/11/01/2003</del> [155108]	
	3	SD-7	OP-SUMR	SHIP DOCK 7		5631 <del>106.261/11/01/2003</del> [155108]	
	3	KILGORE	OP-SUMR	KILGORE EQUIPMENT FUGITIVES		5631 <del>106.261/11/01/2003</del> [155108]	N054
	3	PR FUG	OP-SUMR	PR FUG EQUIPMENT FUGITIVES		5631 <del>106.261/11/01/2003</del> [155108]	N054
	3	TR-1	OP-SUMR	TRUCK RACK 1		5631 <del>106.261/11/01/2003</del> [155108]	
	3	TR-2	OP-SUMR	TRUCK RACK 2		5631 <del>106.261/11/01/2003</del> [155108]	
	3	80-1	OP-SUMR	FR STORAGE TANK 80-1		<del>106.261/11/01/2003</del> <del>106.478/09/04/2000</del> [157088]	
	3	30-10	OP-SUMR	FR STORAGE TANK 30-10		<del>106.261/11/01/2003</del> <del>09/04/2000</del> [157088]	
	3	30-13	OP-SUMR	FR STORAGE TANK 30-13		<del>106.261/11/01/2003</del> <del>106.478/09/04/2000</del> [157088]	
	3	80-2	OP-SUMR	FR STORAGE TANK 80-2		<del>106.261/11/01/2003</del> <del>106.478/09/04/2000</del> [157088]	
	3	VCT-2	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 <del>106.263/11/01/2001</del> [157090]	
	3	VCT-3	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 <del>106.263/11/01/2001</del> [157090]	
A	3, 4	WEST-PUMP1	OP-SUMR	WEST DIESEL PORTABLE WATER PUMP ENGINE 1		<del>106.511/09/04/2000</del>	
A	3, 5	WEST-PUMP2	OP-SUMR	WEST DIESEL PORTABLE WATER PUMP ENGINE 2		<del>106.511/09/04/2000</del>	
	3, 6	<del>FUG-D</del> FUG 700	OP-SUMR	<del>FUG-D MANIFOLD FUGITIVES-</del> FUG 700 MANIFOLD FUGITIVES		5631 <del>106.261/11/01/2003</del> [155108]	N054

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<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
2/28/2025	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3, 7	<b>FUG 700</b> <b>FUG 900</b>	OP-SUMR	<del>FUG 700 MANIFOLD FUGITIVES</del> FUG 900 MANIFOLD FUGITIVES		5631 <del>106.261/11/01/2003</del> 106.262/11/01/2003[153555] 106.478/09/04/2000[147683] 106.262/11/01/2003[157090]	N054
	3, 8	<del>FUG C</del> FUG 800	OP-SUMR	<del>FUG C MANIFOLD FUGITIVES</del> FUG 800 MANIFOLD FUGITIVES		5631 106.261/11/01/2003[155108] 106.478/09/04/2000[157088]	N054
	3, 9	<del>FUG SD-8</del> FUG SD-8/9	OP-SUMR	SHIP DOCK 8/9 FUGITIVES		5631 106.261/11/01/2003[109703] 106.262/11/01/2003[109703] 106.261/11/01/2003[109320]	N054
A	10	390-6010	OP-UA03	DEFR TANK 390-6010		106.478/09/04/2000[157090]	
A	11	390-6011	OP-UA03	DEFR TANK 390-6011		106.478/09/04/2000[157090]	
A	12	390-6012	OP-UA03	DEFR TANK 390-6012		106.478/09/04/2000[157090]	
A	13	FUG SD-1	OP-SUMR	SHIP DOCK 1 FUGITIVE AREA			
A	14	FUG SD-1A	OP-SUMR	SHIP DOCK 1A FUGITIVE AREA		5631	
	3	100-60	OP-SUMR	IFR TANK 100-60		5631	
	3	100-61	OP-SUMR	IFR TANK 100-61		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	100-63	OP-SUMR	IFR TANK 100-63		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	200-20	OP-SUMR	IFR TANK 200-20		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	390-26	OP-SUMR	IFR TANK 390-26		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.478/09/04/2000	
	3	390-27	OP-SUMR	IFR TANK 390-27		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.478/09/04/2000	
	3	390-30	OP-SUMR	IFR TANK 390-30		5631, 106.261/11/01/2003, 106.262/11/01/2003, 106.472/09/04/2000, 106.478/09/04/2000	

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Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	390-31	OP-SUMR	IFR TANK 390-31		5631, 106.261/11/01/2003, <del>106.262/11/01/2003</del> <del>106.472/09/04/2000,</del> <del>106.478/09/04/2000</del>	
	3	390-32	OP-SUMR	IFR TANK 390-32		5631, 106.261/11/01/2003, <del>106.262/11/01/2003</del> <del>106.472/09/04/2000,</del> <del>106.478/09/04/2000</del>	
	3	390-33	OP-SUMR	IFR TANK 390-33		5631, 106.261/11/01/2003, <del>106.262/11/01/2003,</del> <del>106.472/09/04/2000,</del> <del>106.478/09/04/2000</del>	
	3	390-34	OP-SUMR	IFR TANK 390-34		5631, 106.261/11/01/2003, <del>106.262/11/01/2003,</del> 106.478/09/04/2000	
	3	80-62	OP-SUMR	IFR TANK 80-62		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	80-64	OP-SUMR	IFR TANK 80-64		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	FUG SD-4/5	OP-SUMR	SHIP DOCK 4/5 FUGITIVES		5631, 106.261/11/01/2003	N054
	3	FUG 400	OP-SUMR	FUG 400 MANIFOLD FUGITIVES		5631, 106.261/11/01/2003	N054
	3	FUG RCR-1	OP-SUMR	RAILCAR RACK EQUIPMENT FUGITIVES		5631, 106.261/11/01/2003	N054
	3	MVC-401	OP-SUMR	MARINE VAPOR COMBUSTOR 2 (401)		5631, 158489, 106.261/11/01/2003	
	3	MVC-860	OP-SUMR	MARINE VAPOR COMBUSTOR 3A (860)		5631, 158489, 106.261/11/01/2003	
	3	MVC-870	OP-SUMR	MARINE VAPOR COMBUSTOR 3B (870)		5631, 158489, 106.261/11/01/2003	

---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Friday, February 14, 2025 1:53 PM  
**To:** Quesada, Daniel <[DEQuesada@eprod.com](mailto:DEQuesada@eprod.com)>  
**Cc:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Subject:** [EXTERNAL] RE: Technical Review -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Good morning Mr. Quesada

Upon evaluation of your federal operating permit application, we have determined that there are a few discrepancies that need to be addressed to complete our review. Please provide a response for the following items by **Friday, February 28<sup>th</sup>**. This was a very well put together application and I thank you for that.

- **Form OP-SUMR** – The dates associated with each PBR (in the PCA 30 TAC Chapter 116/ 30 TAC Chapter 106 Section) with a corresponding registration number should reflect the effective version date of that PBR and not the date in which it was registered. The format is correct, but the dates for each PBR with a registration number will need to be updated. (For example, 106.261/11/01/2003[109703], the version date is used here instead of the PBR registration date)
  - In addition, for **Unit IDs 390-30, 390-31, 390-32, and 390-33**, PBRs 106.472/09/04/2000 and 106.478/09/04/2000 still exist in our database. Please indicate whether these PBRs should remain associated with these units by listing them on the OP-SUMR or if they should be removed by listing them on the OP-SUMR with a strikethrough (as you have done with other PBRs).
- **Form OP-UA4 – 30 TAC Chapter 115, Loading and Unloading of VOC (Tables 1a & 1b)** – The questions for this section of OP-UA4 have been updated since your last permit renewal. Please review the questions for Tables 1a and 1b for the following units and submit an updated form (if applicable).
  - **Group ID GRP 14 – Index Numbers: 115LD14G1, 115LD14V1, 115LD14V2, R5111, R5112**
  - **Unit ID SD-1 – Index Number R5121**
- **Form OP-UA6 – 40 CFR Part 63, Subpart DDDDD (Tables 14a & 14g)** – The questions for these sections of OP-UA6 have been updated since your last permit renewal. Please review the questions for Tables 14a and 14g for **Group ID GRP BOIL1** in your permit and submit an updated form (if applicable). Our database currently only shows an Index Number (63DDDDD) on Tables 14b and 14c and no other associated attributes. High-level requirements may have been used in your last renewal but now that the UA Form is available for MACT DDDDD, kindly fill out the applicable tables for this group.

Please let me know if you have any questions and I would be happy to assist. 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)

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---

**From:** Quesada, Daniel <[DEQuesada@eprod.com](mailto:DEQuesada@eprod.com)>  
**Sent:** Thursday, October 10, 2024 4:56 PM  
**To:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Cc:** Bissonnette, Daniel <[dmbissonnette@eprod.com](mailto:dmbissonnette@eprod.com)>  
**Subject:** RE: Technical Review -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

Kyle,

Received and understood.

Daniel Quesada  
Environmental Engineer  
1100 Louisiana St.  
Houston, Texas 77002  
(O) 713-381-6770  
(C) 832-504-6078



---

**From:** Kyle Murray <[Kyle.Murray@tceq.texas.gov](mailto:Kyle.Murray@tceq.texas.gov)>  
**Sent:** Thursday, October 10, 2024 4:24 PM  
**To:** Quesada, Daniel <[DEQuesada@eprod.com](mailto:DEQuesada@eprod.com)>  
**Subject:** [EXTERNAL] Technical Review -- FOP O1043/Project No. 37166, Enterprise Products Operating, LLC, Houston Terminal

[Use caution with links/attachments]

Good afternoon Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O1043 for Enterprise Products Operating LLC, Houston Terminal. This application has been assigned Project No. 37166. 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\\_fac\\_tsheet.pdf](http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_fac_tsheet.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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**From:** [eNotice TCEQ](#)  
**To:** [carol.alvarado@senate.texas.gov](mailto:carol.alvarado@senate.texas.gov); [Jaime.Villarreal@senate.texas.gov](mailto:Jaime.Villarreal@senate.texas.gov); [megan.maldonado@senate.texas.gov](mailto:megan.maldonado@senate.texas.gov); [Ana.hernandez@house.texas.gov](mailto:Ana.hernandez@house.texas.gov)  
**Subject:** TCEQ Notice - Permit Number O1043  
**Date:** Friday, September 27, 2024 11:01:30 AM  
**Attachments:** [TCEQ Notice - O1043 37166.pdf](#)

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

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

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

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



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

September 27, 2024

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

Re: Accepted Federal Operating Permit Renewal Application  
Project Number: 37166  
Permit Number: O1043  
Enterprise Products Operating LLC  
Houston Terminal  
Houston, Harris County  
Regulated Entity Number: RN100224740  
Customer Reference Number: CN603211277

Dear Senator Alvarado:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.128055,29.747222&level=13>.

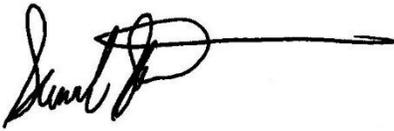
The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment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

The Honorable Carol Alvarado  
Page 2  
September 27, 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*

September 27, 2024

THE HONORABLE ANA HERNANDEZ  
TEXAS HOUSE OF REPRESENTATIVES  
PO BOX 2910  
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application  
Project Number: 37166  
Permit Number: O1043  
Enterprise Products Operating LLC  
Houston Terminal  
Houston, Harris County  
Regulated Entity Number: RN100224740  
Customer Reference Number: CN603211277

Dear Representative Hernandez:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.128055,29.747222&level=13>.

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

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

Sincerely,

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

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

## Texas Commission on Environmental Quality

Title V Existing

1043

### Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	HOUSTON TERMINAL
Does the site have a physical address?	Yes
Physical Address	
Number and Street	15602 JACINTOPOINT BLVD # A
City	HOUSTON
State	TX
ZIP	77015
County	HARRIS
Latitude (N) (##.#####)	29.747222
Longitude (W) (-###.#####)	95.128055
Primary SIC Code	4226
Secondary SIC Code	
Primary NAICS Code	49319
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100224740
What is the name of the Regulated Entity (RE)?	HOUSTON TERMINAL
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	15602 JACINTOPOINT BLVD, HOUSTON, TX
City	HOUSTON
State	TX
ZIP	77015
County	HARRIS
Latitude (N) (##.#####)	29.743
Longitude (W) (-###.#####)	-95.1283
Facility NAICS Code	
What is the primary business of this entity?	INDUSTRIAL

### 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	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

## Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

New Contact

Organization Name

ENTERPRISE PRODUCTS OPERATING LLC

Prefix

MR

First

Daniel

Middle

Last

Quesada

Suffix

Credentials

Title

Environmental Engineer

Enter new address or copy one from list:

Duly Authorized Representative Contact Address

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

7133816770

Extension

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

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

E-mail

DEQuesada@eprod.com

## Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 44 Min 50 Sec

3) Permit Longitude Coordinate:

95 Deg 7 Min 41 Sec

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

New Application

4.1. What type of permitting action are you applying for?

Renewal

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

No

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

No

5) Who will electronically sign this Title V application?

Duly Authorized Representative

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

No

## Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217432>OP-1.pdf</a>  
Hash 51F8B306235600FC2EA51B8C4AB5E50BBA6241FA2041E5791187630FB22AFE14  
MIME-Type application/pdf

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

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217423>OP-2.pdf</a>  
Hash B132324464C1E4F8874C84A89864C7E8301C57BEDF82D60720DADE4CED71A305  
MIME-Type application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217433>OP-ACPS.pdf</a>  
Hash B9E79904E79DF141DE747E2D7FC38EBB072BB4D884B6C49BB306962D236F9D1A  
MIME-Type application/pdf

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

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217425>OP-REQ1.pdf</a>  
Hash 41421FFC0926D80EB29C5A19DCD12FD4E77F184C876192CA4F973EF1DDAA1A95  
MIME-Type application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217426>OP-REQ2.pdf</a>  
Hash E17091A694471159183DB2A9BD4ADDF6002A3C5CCEDBEB353AFB6F2D754A3433  
MIME-Type application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217427>OP-REQ3.pdf</a>  
Hash 53E199E00DFF19387EF5FCD9387B0D636D168D1B96E95EAC87B3BD21FE89980D  
MIME-Type application/pdf

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217428>OP-PBRSUP.pdf</a>  
Hash 835315A4E3294CA3ADD1779E1733DA13542F37C879EEF08C83E0D18CB6BEC58A  
MIME-Type application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217429>OP\_SUMR\_OP\_SUMR.pdf</a>  
Hash 0606D2D5836BA964A5FFB18D434566CC9C2B5A9AED6DF6E2E506A1F398046630  
MIME-Type application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217430>OP-UA.pdf</a>  
Hash E466F8438004114012B69009E7643291A4077648E29ECFEA6A05E4AA5BF82DFB  
MIME-Type application/pdf

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name <a href=/ePermitsExternal/faces/file?fileId=217431>2024\_09\_13 Houston Terminal FOP O1043 Renewal.pdf</a>  
Hash FE474A88DA4EE7A72B97DF2B9CAE65E696D0300941368642E63E2208A5FEAA1B  
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 1043.
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:	165.225.37.77
Signature Date:	2024-09-19
Signature Hash:	3A72A8E6E16CD866EF25BE5C49B023ABF5352B6D1B85993C51C75C988B374B14
Form Hash Code at time of Signature:	65CD56F24E390783EB72560B8DC7012942719FB44AA00A4EF9839FC1D8A98B49

## Submission

Reference Number:	The application reference number is 684497
Submitted by:	The application was submitted by ER101133/Bradley J Cooley
Submitted Timestamp:	The application was submitted on 2024-09-19 at 12:30:20 CDT
Submitted From:	The application was submitted from IP address 165.225.37.77
Confirmation Number:	The confirmation number is 564744
Steers Version:	The STEERS version is 6.82
Permit Number:	The permit number is 1043

## Additional Information

Application Creator: This account was created by Daniel Quesada



September 19, 2024

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

*STEERS Submittal*

**RE: Title V Site Operating Permit (SOP) No. O1043 Renewal  
Enterprise Products Operating LLC (CN603211277)  
Houston Terminal (RN100224740)  
Houston, Harris County, Texas**

Dear Mr. Short:

Enterprise Products Operating LLC (Enterprise) owns and operates the Houston Terminal, in Houston, Harris County, Texas.

Title V Site Operating Permit (SOP) No. O1043 is currently set to expire on March 20, 2025. Consequently, Enterprise intends to renew SOP No. O1043 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, and is submitted within the required 6-month period before the expiration date.

The enclosed renewal application comprises the following forms (**Attachments 1 through 9**):

- + 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-PBR SUP: Permits by Rule Supplemental Tables; and
- + OP-UA03: Storage Tank/Vessel Attributes form.

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) 381-6770 or via email at [DEQuesada@eprod.com](mailto:DEQuesada@eprod.com), or Daniel Bissonnette at (713) 381-3669.

Sincerely,  
**Enterprise Products Operating LLC**

*Daniel Quesada*

Daniel Quesada  
Environmental Engineer

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>September 19, 2024</b>
<b>II. Site Information</b>	
A. Site Name:	<b>Houston Terminal</b>
B. Regulated Entity Reference Number (RN):	<b>RN 100224740</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: <i>(Check the appropriate box[es].)</i>	
<input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> NO <sub>x</sub> <input type="checkbox"/> SO <sub>2</sub> <input type="checkbox"/> PM <sub>10</sub> <input 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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is the site within a local program area jurisdiction?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:	<b>N/A</b>
<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>	
A. Is this submittal an abbreviated or a full application?	<input type="checkbox"/> Abbreviated <input type="checkbox"/> Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Has 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
E. Has the required Public Involvement Plan been included with this application?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>V. Confidential Information</b>	
A. Is confidential information submitted in conjunction with this application?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>VI. Responsible Official (RO)</b>	
RO Name Prefix:	( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> r.)
RO Full Name:	<b>Graham Bacon</b>
RO Title:	<b>EVP &amp; Chief Operating Officer</b>
Employer Name:	<b>Enterprise Products Operating LLC</b>
Mailing Address:	<b>PO Box 4324 ENV</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) 381-6595</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"/> r.)
Technical Contact Full Name:	<b>Daniel Quesada</b>
Technical Contact Title:	<b>Environmental Engineer</b>
Employer Name:	<b>Enterprise Products Operating LLC</b>
Mailing Address:	<b>1100 Louisiana Street</b>
City:	<b>Houston</b>
State:	<b>TX</b>
ZIP Code:	<b>77002-5227</b>
Territory:	
Country:	<b>USA</b>
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.:	<b>(713) 381-6770</b>
Fax No.:	
E-mail:	<a href="mailto:DEQuesada@eprod.com">DEQuesada@eprod.com</a>
<b>VIII. Reference Only Requirements</b> <i>(For reference only.)</i>	
<b>A.</b> State Senator:	<b>Carol Alvarado, District 6</b>
<b>B.</b> State Representative:	<b>Ana Hernandez, District 143</b>
<b>C.</b> 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
<b>D.</b> Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>E.</b> 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> <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>	
<b>A.</b>	Office/Facility Name:
<b>B.</b>	Physical Address:
	City:
	State:
	ZIP Code:
	Territory:
	Country:
	Foreign Postal Code:
<b>C.</b>	Physical Location:
<b>D.</b>	Contact Name Prefix:           ( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Dr.)
	Contact Full Name:
<b>E.</b>	Telephone No.:
<b>X. Application Area Information</b>	
<b>A.</b>	Area Name: <b>Houston Terminal</b>
<b>B.</b>	Physical Address: <b>15602 Jacintoport Blvd</b>
	City: <b>Houston</b>
	State: <b>Texas</b>
	ZIP Code: <b>77015</b>
<b>C.</b>	Physical Location:
<b>D.</b>	Nearest City:
<b>E.</b>	State:
<b>F.</b>	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°44'50"</b>
<b>H.</b> Longitude (nearest second):	<b>95°7'41"</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> <i>(Complete this section for SOP Applications and Acid Rain Permit Applications only.)</i>	
<b>A.</b> Name of public place to view application and draft permit:	<b>Deer Park Public Library</b>
<b>B.</b> Physical Address:	<b>3009 Center St</b>
City:	<b>Deer Park</b>
ZIP Code:	<b>77536</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"/> r.)
Contact Person Full Name:	<b>Daniel Quesada</b>
Contact Mailing Address:	<b>1100 Louisiana Street</b>
City:	<b>Houston</b>
State:	<b>TX</b>
ZIP Code:	<b>77002-5227</b>
Territory:	
Country:	<b>USA</b>
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.:	<b>(713) 381-6770</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"/> Ms. <input type="checkbox"/> Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

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

<b>Complete Sections XIII and XIV for Acid Rain Permit and CSAPR permit applications only. Please include a copy of the Certificate of Representation submitted to EPA.</b>	
<b>XIV. Alternate Designated Representative (ADR) Identifying Information</b>	
ADR Name Prefix::	( <input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> F.)
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:	September 19, 2024		
Permit No.:	O1043		
Regulated Entity No.:	100224740		
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 type="checkbox"/>	SO <sub>2</sub>	<input type="checkbox"/>	PM <sub>10</sub>	<input 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>	September 19, 2024
<b>Permit No.:</b>	O1043
<b>Regulated Entity No.:</b>	100224740
<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	MS-C	No	Sitewide	-	-	Renew FOP O1043 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	MS-A	No	-	OP-REQ1	Various	Update NSR and PBR authorizations as indicated on the OP-REQ1.
3	MS-A	No	Various	OP-SUMR	Various	Update NSR and PBR authorizations for sources listed on OP-SUMR.
4	SIG-E	Yes	WEST-PUMP1	OP-REQ2	106.511	Add sources to permit with negative applicability to MACT ZZZZ and NSPS IIII.
5	SIG-E	Yes	WEST-PUMP2	OP-REQ2	106.511	Add source to permit with negative applicability to MACT ZZZZ and NSPS IIII.
6	MS-C	Yes	<del>FUG D</del> FUG 700	-	Various	Rename Unit ID FUG D to FUG 700 to align with the Emission Point Number in NSR Permit No. 5631.
7	MS-C	Yes	<del>FUG 700</del> FUG 900	-	Various	Rename Unit ID FUG 700 to FUG 900 to align with the Emission Point Number in NSR Permit No. 5631.
8	MS-C	Yes	<del>FUG C</del> FUG 800	-	Various	Rename Unit ID FUG C to FUG 800 to align with the Emission Point Number in NSR Permit No. 5631.
9	MS-C	Yes	<del>SD-8</del> FUG SD-8/9	-	Various	Rename Unit ID FUG SD-8 to FUG SD-8/9 to align with the Emission Point Number in NSR Permit No. 5631.
10	MS-C	Yes	390-6010	OP-UA3	106.478	Add storage tank 390-6010 with 30 TAC Chapter 115, Subchapter B and NSPS Kb applicability per OP-UA3.
11	MS-C	Yes	390-6011	OP-UA3	106.478	Add storage tank 390-6011 with 30 TAC Chapter 115, Subchapter B and NSPS Kb applicability per OP-UA3.
12	MS-C	Yes	390-6012	OP-UA3	106.478	Add storage tank 390-6012 with 30 TAC Chapter 115, Subchapter B and NSPS Kb applicability per OP-UA3.
13	MS-C	Yes	FUG SD-1	OP-SUMR	5631	Add Ship Dock 1 Fugitive Area FUG SD-1 to existing Group ID. GRP FUG BZ with 40 CFR Part 61, Subpart J and 40 CFR Part 63, Subpart EEEE applicability.

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

<b>Date:</b>	September 19, 2024
<b>Permit No.:</b>	O1043
<b>Regulated Entity No.:</b>	100224740
<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		
14	MS-C	Yes	FUG SD-1A	OP-SUMR	5631	Add Ship Dock 1A Fugitive FUG SD-1A to existing Group ID. GRP FUG BZ with 40 CFR Part 61, Subpart J and 40 CFR Part 63, Subpart EEEE applicability.

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

<b>Date:</b>	September 19, 2024		
<b>Permit No.:</b>	O1043		
<b>Regulated Entity No.:</b>	100224740		
<b>Company / Area Name:</b>	Enterprise Products Operating LLC / Houston Terminal		
<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.
September 19, 2024	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	FUG TR-1/2	OP-SUMR	TRUCK RACK EQUIPMENT FUGITIVES		5631 106.261/10/15/2002[52653]	N054
	3	80-3	OP-SUMR	FR STORAGE TANK 80-3		<del>106.261/11/01/2003</del> 106.472/02/12/2004[70963] 106.478/10/30/2023[157088]	
	3	FUG 100	OP-SUMR	FUG 100 MANIFOLD FUGITIVES		5631 106.261/10/26/2004[73860] 106.261/01/11/2017[109320] 106.261/01/22/2019[105067] 106.261/05/29/2019[155108] 106.261/01/07/2021[163666] 106.262/01/07/2021[163666]	N054
	3	COAT433	OP-SUMR	LAYDOWN1		106.433/11/18/2008[86536] 106.452/11/18/2008[86536]	
	3	FUG 200	OP-SUMR	FUG 200 MANIFOLD FUGITIVES		5631 106.261/01/11/2017[109320] 106.261/01/07/2019[92912] 106.261/01/22/2019[94991] 106.261/01/22/2019[113313] 106.261/05/29/2019[155108] 106.261/01/07/2021[163666] 106.262/01/07/2021[163666]	N054
	3	390-35	OP-SUMR	IFR TANK 390-35		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/01/07/2019[92912] 106.263/01/07/2019[92912]	
	3	265-28	OP-SUMR	IFR TANK 265-28		<del>106.262/11/01/2003</del> 106.478/01/07/2019[92912] 106.263/01/07/2019[92912]	
	3	390-36	OP-SUMR	IFR TANK 390-36		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/01/22/2019[94991] 106.263/01/22/2019[94991]	

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
September 19, 2024	O1043	100224740

Unit/Processes AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	275-71	OP-SUMR	IFR TANK 275-71		<del>106.262/11/01/2003</del> 106.261/02/22/2019[96611] 106.263/02/22/2019[96611] 106.478/02/22/2019[96611]	
	3	275-72	OP-SUMR	IFR TANK 275-72		<del>106.262/11/01/2003</del> 106.261/02/22/2019[96611] 106.263/02/22/2019[96611] 106.478/02/22/2019[96611]	
	3	275-70	OP-SUMR	IFR TANK 275-70		<del>106.262/11/01/2003</del> 106.478/02/18/2019[99145]	
	3	275-73	OP-SUMR	IFR TANK 275-73		<del>106.262/11/01/2003</del> 106.478/02/18/2019[99145]	
	3	FUG 600	OP-SUMR	FUG 600 MANIFOLD FUGITIVES		5631 106.261/01/11/2017[109320] 106.261/02/18/2019[99145] 106.261/01/22/2019[113313] 106.261/05/29/2019[155108]	N054
	3	R8-1	OP-SUMR	IFR TANK R8-1		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/01/22/2019[105067]	
	3	R8-2	OP-SUMR	IFR TANK R8-2		<del>106.261/11/01/2003</del> <del>106.262/11/01/2003</del> 106.478/01/22/2019[105067]	
	3	FUG SD-6/7	OP-SUMR	SHIP DOCK 6/7 FUGITIVES		5631 106.261/06/28/2013[109703] 106.262/06/28/2013[109703] 106.261/01/11/2017[109320]	N054
	3	SD-8/9	OP-SUMR	SHIP DOCK 8/9		5631 106.261/06/28/2013[109703] 106.262/06/28/2013[109703] 106.261/05/29/2019[155108]	
	3	80-37	OP-SUMR	IFR TANK 80-37		<del>106.262/11/01/2003</del> 106.478/01/22/2019[113313]	
	3	390-6005	OP-SUMR	DEFR TANK 390-6005		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> 106.478/03/05/2019[147683]	

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
September 19, 2024	O1043	100224740

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	390-6006	OP-SUMR	DEFR TANK 390-6006		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/03/05/2019[147683]</b>	
	3	390-6007	OP-SUMR	DEFR TANK 390-6007		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/03/05/2019[147683]</b>	
	3	390-6008	OP-SUMR	DEFR TANK 390-6008		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/03/05/2019[147683]</b>	
	3	VCT-1	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 <b>106.263/11/29/2018[153555]</b> <b>106.263/03/05/2019[147683]</b> <b>106.263/06/13/2019[157090]</b>	
	3	175-59	OP-SUMR	IFR TANK 175-59		5631 <b>106.261/08/17/2018[152684]</b> <b>106.478/08/17/2018[152684]</b>	
	3	200-56	OP-SUMR	IFR TANK 200-56		5631 <b>106.261/08/17/2018[152684]</b> <b>106.478/08/17/2018[152684]</b>	
	3	200-57	OP-SUMR	IFR TANK 200-57		5631 <b>106.261/08/17/2018[152684]</b> <b>106.478/08/17/2018[152684]</b>	
	3	200-58	OP-SUMR	IFR TANK 200-58		5631 <b>106.261/08/17/2018[152684]</b> <b>106.478/08/17/2018[152684]</b>	
	3	390-6009	OP-SUMR	DEFR TANK 390-6009		<del>106.261/11/01/2003</del> <del>106.263/11/01/2001</del> <b>106.478/11/29/2018[153555]</b>	
	3	FUG 300	OP-SUMR	FUG 300 MANIFOLD FUGITIVES		5631 <b>106.261/05/29/2019[155108]</b>	N054
	3	FUG 500	OP-SUMR	FUG 500 MANIFOLD FUGITIVES		5631 <b>106.261/05/29/2019[155108]</b>	N054
	3	FUG BD-D	OP-SUMR	BARGE DOCK D FUGITIVES		5631 <b>106.261/05/29/2019[155108]</b>	N054
	3	SD-4	OP-SUMR	SHIP DOCK 4		5631 <b>106.261/05/29/2019[155108]</b>	

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
September 19, 2024	O1043	100224740

Unit/Processes AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	SD-5	OP-SUMR	SHIP DOCK 5		5631 <b>106.261/05/29/2019[155108]</b>	
	3	SD-6	OP-SUMR	SHIP DOCK 6		5631 <b>106.261/05/29/2019[155108]</b>	
	3	SD-7	OP-SUMR	SHIP DOCK 7		5631 <b>106.261/05/29/2019[155108]</b>	
	3	KILGORE	OP-SUMR	KILGORE EQUIPMENT FUGITIVES		5631 <b>106.261/05/29/2019[155108]</b>	N054
	3	PR FUG	OP-SUMR	PR FUG EQUIPMENT FUGITIVES		5631 <b>106.261/05/29/2019[155108]</b>	N054
	3	TR-1	OP-SUMR	TRUCK RACK 1		5631 <b>106.261/05/29/2019[155108]</b>	
	3	TR-2	OP-SUMR	TRUCK RACK 2		5631 <b>106.261/05/29/2019[155108]</b>	
	3	80-1	OP-SUMR	FR STORAGE TANK 80-1		<del>106.261/11/01/2003</del> <b>106.478/10/30/2023[157088]</b>	
	3	30-10	OP-SUMR	FR STORAGE TANK 30-10		<del>106.261/11/01/2003</del> <b>106.478/10/30/2023[157088]</b>	
	3	30-13	OP-SUMR	FR STORAGE TANK 30-13		<del>106.261/11/01/2003</del> <b>106.478/10/30/2023[157088]</b>	
	3	80-2	OP-SUMR	FR STORAGE TANK 80-2		<del>106.261/11/01/2003</del> <b>106.478/10/30/2023[157088]</b>	
	3	VCT-2	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 <b>106.263/06/13/2019[157090]</b>	
	3	VCT-3	OP-SUMR	VAPOR COMBUSTOR (VC) FOR TANKS		5631 <b>106.263/06/13/2019[157090]</b>	
A	3, 4	WEST-PUMP1	OP-SUMR	WEST DIESEL PORTABLE WATER PUMP ENGINE 1		<b>106.511/09/04/2000</b>	
A	3, 5	WEST-PUMP2	OP-SUMR	WEST DIESEL PORTABLE WATER PUMP ENGINE 2		<b>106.511/09/04/2000</b>	
	3, 6	<del>FUG-D</del> <b>FUG 700</b>	OP-SUMR	<del>FUG-D MANIFOLD FUGITIVES</del> <b>FUG 700 MANIFOLD FUGITIVES</b>		5631 <b>106.261/05/29/2019[155108]</b>	N054

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

<b>Date</b>	<b>Permit No.</b>	<b>Regulated Entity No.</b>
September 19, 2024	O1043	100224740

Unit/Processes AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3, 7	<del>FUG 700</del> FUG 900	OP-SUMR	<del>FUG 700 MANIFOLD FUGITIVES</del> FUG 900 MANIFOLD FUGITIVES		5631 <del>106.261/11/01/2003</del> 106.262/11/29/2018[153555] 106.478/03/05/2019[147683] 106.262/06/13/2019[157090]	N054
	3, 8	<del>FUG C</del> FUG 800	OP-SUMR	<del>FUG C MANIFOLD FUGITIVES</del> FUG 800 MANIFOLD FUGITIVES		5631 106.261/05/29/2019[155108] 106.478/10/30/2023[157088]	N054
	3, 9	<del>FUG SD-8</del> FUG SD-8/9	OP-SUMR	SHIP DOCK 8/9 FUGITIVES		5631 106.261/06/28/2013[109703] 106.262/06/28/2013[109703] 106.261/01/11/2017[109320]	N054
A	10	390-6010	OP-UA03	DEFR TANK 390-6010		106.478/06/13/2019[157090]	
A	11	390-6011	OP-UA03	DEFR TANK 390-6011		106.478/06/13/2019[157090]	
A	12	390-6012	OP-UA03	DEFR TANK 390-6012		106.478/06/13/2019[157090]	
A	13	FUG SD-1	OP-SUMR	SHIP DOCK 1 FUGITIVE AREA		5631	
A	14	FUG SD-1A	OP-SUMR	SHIP DOCK 1A FUGITIVE AREA		5631	
	3	100-60	OP-SUMR	IFR TANK 100-60		5631, 106.261/11/01/2003,- 106.478/09/04/2000	
	3	100-61	OP-SUMR	IFR TANK 100-61		5631, 106.261/11/01/2003,- 106.478/09/04/2000	
	3	100-63	OP-SUMR	IFR TANK 100-63		5631, 106.261/11/01/2003,- 106.478/09/04/2000	
	3	200-20	OP-SUMR	IFR TANK 200-20		5631, 106.261/11/01/2003,- 106.478/09/04/2000	
	3	390-26	OP-SUMR	IFR TANK 390-26		5631, 106.261/11/01/2003,- 106.262/11/01/2003,- 106.478/09/04/2000	
	3	390-27	OP-SUMR	IFR TANK 390-27		5631, 106.261/11/01/2003,- 106.262/11/01/2003,- 106.478/09/04/2000	
	3	390-30	OP-SUMR	IFR TANK 390-30		5631, 106.261/11/01/2003,- 106.262/11/01/2003	
	3	390-31	OP-SUMR	IFR TANK 390-31		5631, 106.261/11/01/2003,- 106.262/11/01/2003	

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

Date	Permit No.	Regulated Entity No.
September 19, 2024	O1043	100224740

Unit/Processes AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/ 30 TAC Chapter 106	Preconstruction Authorizations Title I
	3	390-32	OP-SUMR	IFR TANK 390-32		5631, 106.261/11/01/2003, <del>106.262/11/01/2003</del>	
	3	390-33	OP-SUMR	IFR TANK 390-33		5631, 106.261/11/01/2003, <del>106.262/11/01/2003</del>	
	3	390-34	OP-SUMR	IFR TANK 390-34		5631, 106.261/11/01/2003, <del>106.262/11/01/2003</del> , 106.478/09/04/2000	
	3	80-62	OP-SUMR	IFR TANK 80-62		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	80-64	OP-SUMR	IFR TANK 80-64		5631, 106.261/11/01/2003, 106.478/09/04/2000	
	3	FUG SD-4/5	OP-SUMR	SHIP DOCK 4/5 FUGITIVES		5631, 106.261/11/01/2003	N054
	3	FUG 400	OP-SUMR	FUG 400 MANIFOLD FUGITIVES		5631, 106.261/11/01/2003	N054
	3	FUG RCR-1	OP-SUMR	RAILCAR RACK EQUIPMENT FUGITIVES		5631, 106.261/11/01/2003	N054
	3	MVC-401	OP-SUMR	MARINE VAPOR COMBUSTOR 2 (401)		5631, 158489, 106.261/11/01/2003	
	3	MVC-860	OP-SUMR	MARINE VAPOR COMBUSTOR 3A (860)		5631, 158489, 106.261/11/01/2003	
	3	MVC-870	OP-SUMR	MARINE VAPOR COMBUSTOR 3B (870)		5631, 158489, 106.261/11/01/2003	

**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.
September 19, 2024	O1043	100224740

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
13	FUG SD-1	OP-SUMR	A	<b>GRP FUG BZ</b>
14	FUG SD-1A	OP-SUMR	A	<b>GRP FUG BZ</b>

**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:	September 19, 2024
Permit No.:	O1043
RN No.:	RN100224740

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

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

<b>Form OP-REQ1: Page 1</b>		
<b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter</b>		
<b>A. Visible Emissions</b>		
◆	1. The application area includes stationary vents constructed on or before January 31, 1972.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The application area includes stationary vents constructed after January 31, 1972. <i>If the responses to Questions I.A.1 and I.A.2 are both "NO," go to Question I.A.6. If the response to Question I.A.1 is "NO" and the response to Question I.A.2 is "YES," go to Question I.A.4.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. The application area is opting to comply with the requirements for stationary vents constructed after January 31, 1972 for vents in the application area constructed on or before January 31, 1972.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. All stationary vents are addressed on a unit specific basis.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	5. Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	6. The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	7. The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	8. Emissions from units in the application area include contributions from uncombined water.	<input 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 <input type="checkbox"/> N/A

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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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes a vent from a nonagricultural process that is subject to additional monitoring requirements. <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

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<b>Form OP-REQ1: Page 3</b>	
<b>I. Title 30 TAC Chapter 111 - Control of Air Pollution from Visible Emissions and Particulate Matter (continued)</b>	
<b>C. Emissions Limits on Nonagricultural Processes (continued)</b>	
4. The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
5. The application area includes oil or gas fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.5 is "NO," go to Question I.C.7.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
6. All oil or gas fuel-fired steam generators in the application area are subject to additional monitoring requirements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
8. The application area includes solid fossil fuel-fired steam generators that are subject to additional monitoring requirements. <i>If the response to Question I.C.8 is "NO," go to Section I.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
9. All solid fossil fuel-fired steam generators in the application area are subject to additional monitoring requirements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Emissions Limits on Agricultural Processes</b>	
1. The application area includes agricultural processes subject to 30 TAC § 111.171.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>E. Outdoor Burning</b>	
◆ 1. Outdoor burning is conducted in the application area. <i>If the response to Question I.E.1 is "NO," go to Section II.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<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. <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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<b>Form OP-REQ1: Page 5</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>C. Industrial Wastewater</b>	
1. The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. <i>If the response to Question III.C.1 is "NO" or "N/A," go to Section III.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <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. <i>If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). <i>If the response to Question III.C.3 is "YES," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). <i>If the response to Question III.C.4 is "YES," go to Section III.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Loading and Unloading of VOCs</b>	
◆ 1. The application area includes VOC loading operations.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. The application area includes VOC transport vessel unloading operations. <i>For GOP applications, if the responses to Questions III.D.1 - D.2 are "NO," go to Section III.E.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 7</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)</b>	
◆ 8. At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. <i>If the response to Question III.E.8 is "YES," go to Section III.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 9. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	<input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> NO
<b>F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)</b>	
◆ 1. Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 8</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)</b>	
◆ 2. Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 3. Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>G. Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities</b>	
◆ 1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. <i>If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <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 checked="" type="checkbox"/> NO
◆ 3. The application area includes facilities that began construction prior to November 15, 1992. <i>If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.</i>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 9</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>H. Control Of Reid Vapor Pressure (RVP) of Gasoline</b>	
◆ 1. The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. <i>If the response to Question III.H.1 is "NO" or "N/A," go to Section III.I.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
◆ 2. The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes a motor vehicle fuel dispensing facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>I. Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries</b>	
1. The application area is located at a petroleum refinery.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>J. Surface Coating Processes (Complete this section for GOP applications only.)</b>	
◆ 1. Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(3)(A) or 115.427(7) are performed in the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 10</b>	
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>	
<b>K. Cutback Asphalt</b>	
1. Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. <i>If the response to Question III.K.1 is "N/A," go to Section III.L.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <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 <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. <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
<b>L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels</b>	
◆ 1. The application area includes degassing operations for stationary, marine, and/or transport vessels. <i>If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. <i>If the response to Question III.L.2 is "YES," go to Section III.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 11</b>		
<b>III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)</b>		
<b>L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels (continued)</b>		
◆	3. Degassing of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆	4. Degassing of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆	5. Degassing of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	<input type="checkbox"/> YES <input checked="" 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 checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆	7. Degassing of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) and a vapor space partial pressure $\geq$ 0.5 psia that have sustained damage as specified in 30 TAC § 115.547(5) is performed in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>M. Petroleum Dry Cleaning Systems</b>		
	1. The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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

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<b>Form OP-REQ1: Page 13</b>	
<b>IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds</b>	
<b>A. Applicability</b>	
◆ 1. The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. <i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H. For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES," go to Section IV.F. For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES," complete Sections IV.C and IV.F. For GOP applications, if the response to Question IV.A.1 is "NO," go to Section VI.</i>	<input 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. <i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes a utility electric generator in an east or central Texas county. <i>See instructions for a list of counties included. If the response to Question IV.A.3 is "YES," go to Question IV.G.1. If the responses to Questions IV.A.1 - 3 are all "NO," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>B. Utility Electric Generation in Ozone Nonattainment Areas</b>	
1. The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i>	<input type="checkbox"/> YES <input 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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<b>Form OP-REQ1: Page 14</b>	
<b>IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)</b>	
<b>C. Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas</b>	
◆ 1. The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400.  <i>For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.</i>	<input 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 <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
<b>D. Adipic Acid Manufacturing</b>	
1. The application area is located at, or part of, an adipic acid production unit.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>E. Nitric Acid Manufacturing - Ozone Nonattainment Areas</b>	
1. The application area is located at, or part of, a nitric acid production unit.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines</b>	
◆ 1. The application area is located at a site that is a minor source of NO <sub>x</sub> in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County).  <i>For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.</i>	<input type="checkbox"/> YES <input 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. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. An ACSS for carbon monoxide (CO) has been approved?	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. An ACSS for ammonia (NH <sub>3</sub> ) has been approved?	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
<b>G. Utility Electric Generation in East and Central Texas</b>	
1. The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i>	<input type="checkbox"/> YES <input 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. <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. <i>If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. All automobile refinishing coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products</b>	
1. The application area manufactures consumer products for sale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area is a distributor of consumer products whose name appears on the label of one or more of the products. <i>If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 17</b>	
<b>V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products (continued)</b>	
<b>C. Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings</b>	
1. The application area manufactures or imports architectural coatings for sale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. <i>If the responses to Questions V.C.1-2 are both "NO," go to Section V.D.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR §59.400(c)(1)-(5).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings</b>	
1. The application area manufactures or imports aerosol coating products for sale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is a distributor of aerosol coatings for resale or distribution in the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>E. Subpart F - Control of Evaporative Emissions From New and In-Use Portable Fuel Containers</b>	
1. The application area manufactures or imports portable fuel containers for sale or distribution in the United States. <i>If the response to Question V.E.1 is "NO," go to Section VI.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards</b>	
<b>A. Applicability</b>	
◆ 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. <i>If the response to Question VI.A.1 is "NO," go to Section VII.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 18</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>B. Subpart Y - Standards of Performance for Coal Preparation and Processing Plants</b>	
1. The application area is located at a coal preparation and processing plant. <i>If the response to Question VI.B.1 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). <i>If the response to Question VI.B.2 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. <i>If the response to Question VI.B.3 is "YES," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The plant contains an open storage pile, as defined in § 60.251, as an affected facility. <i>If the response to Question VI.B.4 is "NO," go to Section VI.C.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The open storage pile was constructed, reconstructed or modified after May 27, 2009.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)</b>	
◆ 1. The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. <i>If the response to Question VI.C.1 is "NO" or "N/A," go to Section VI.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. <i>If the response to Question VI.C.2 is "NO," go to Section VI.D.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 19</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)</b>	
◆ 5. One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals</b>	
1. The application area includes bulk gasoline terminal loading racks. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO<sub>2</sub>) Emissions</b>	
◆ 1. The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). <i>For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. <i>For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. <i>For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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<b>Form OP-REQ1: Page 22</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>H. Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004 (continued)</b>	
◆ 5. The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. <i>If the response to Question VI.H.5 is "NO," go to Question VI.H.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 6. All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 7. The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 8. All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>I. Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001</b>	
◆ 1. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.I.1 is "N/A," go to Section VI.J. If the response to Question VI.I.1 is "NO," go to Question VI.I.4.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 24</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)</b>	
<b>J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006</b>	
◆ 1. The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.J.1 is "N/A," go to Section VI.K. If the response to Question VI.J.1 is "NO," go to Question VI.J.4.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.J.4 is "NO," go to Section VI.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 5. The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. <i>If the response to Question VI.J.5 is "NO," go to Question VI.J.7.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 6. All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 7. The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 25</b>	
<b>VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (NSPS) (continued)</b>	
<b>J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 (continued)</b>	
◆ 8. All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 9. The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 10. The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>K. Subpart OOOO - Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution</b>	
◆ 1. The application area includes one or more of the onshore affected facilities listed in 40 CFR § 60.5365(a)-(g) that are subject to 40 CFR Part 60, Subpart OOOO.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants</b>	
<b>A. Applicability</b>	
◆ 1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. <i>If the response to Question VII.A.1 is "NO" or "N/A," go to Section VIII.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>B. Subpart F - National Emission Standard for Vinyl Chloride</b>	
1. The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>C. Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)</b>	
◆ 1. The application area includes equipment in benzene service.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>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). <i>If the response to Question VII.D.1 is "NO," go to Section VII.E.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>E. Subpart M - National Emission Standard for Asbestos</b>	
<b>Applicability</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. <i>If the response to Question VII.E.1 is "NO," go to Section VII.F.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>Roadway Construction</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>Manufacturing Commercial Asbestos</b>	
3. The application area includes a manufacturing operation using commercial asbestos. <i>If the response to Question VII.E.3 is "NO," go to Question VII.E.4.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
a. Visible emissions are discharged to outside air from the manufacturing operation	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>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. <i>If the response to Question VII.E.4 is "NO," go to Question VII.E.5.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. <i>If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	<input type="checkbox"/> YES <input type="checkbox"/> NO
c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 29</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>Fabricating Commercial Asbestos (continued)</i></b>	
f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	<input type="checkbox"/> YES <input type="checkbox"/> NO
g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Non-sprayed Asbestos Insulation</i></b>	
6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b><i>Asbestos Conversion</i></b>	
7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities</b>	
1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations</b>	
1. The application area is located at a benzene production facility and/or bulk terminal. <i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area includes benzene transfer operations at marine vessel loading racks.	<input checked="" 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 checked="" type="checkbox"/> NO
4. The application area includes benzene transfer operations at tank-truck loading racks.	<input type="checkbox"/> YES <input checked="" 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 checked="" type="checkbox"/> NO
2. The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. <i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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

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

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<b>Form OP-REQ1: Page 37</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)</b>	
<b>Process Wastewater Streams (continued)</b>	
16. The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. <i>If the response to Question VIII.C.17 is "NO," go to Question VIII.C.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	<input type="checkbox"/> YES <input type="checkbox"/> NO
21. The application area includes process wastewater streams, located at existing sources that are Group 2.	<input type="checkbox"/> YES <input type="checkbox"/> NO
22. The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	<input type="checkbox"/> YES <input type="checkbox"/> NO
23. The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 38</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)</b>	
<b>Process Wastewater Streams (continued)</b>	
24. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.C.24 is "YES," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
25. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.C.25 is "NO," go to Question VIII.C.27.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
26. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
27. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	<input type="checkbox"/> YES <input type="checkbox"/> NO
28. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.C.27 - VIII.C.28 are both "NO," go to Question VIII.C.30.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
29. The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	<input type="checkbox"/> YES <input type="checkbox"/> NO
30. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 39</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued)</b>	
<b><i>Drains</i></b>	
31. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.C.31 is "NO," go to Question VIII.C.34.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
32. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	<input type="checkbox"/> YES <input type="checkbox"/> NO
33. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	<input type="checkbox"/> YES <input type="checkbox"/> NO
34. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). <i>If the response to Question VIII.C.34 is "NO," go to Question VIII.C.39.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
35. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). <i>If the response to Question VIII.C.35 is "NO," go to Question VIII.C.39.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
36. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 40</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>C. Subpart G-National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operation, and Wastewater (continued)</b>	
<b>Drains (continued)</b>	
37. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
38. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Gas Streams</b>	
39. The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	<input type="checkbox"/> YES <input type="checkbox"/> NO
40. The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks</b>	
1. The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>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. <i>If the response to Question VIII.E.1 is "NO," go to Section VIII.F.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. <i>If the response to Question VIII.E.2 is "NO," go to Section VIII.F.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>F. Subpart Q - National Emission Standards for Industrial Process Cooling Towers</b>	
1. The application area includes industrial process cooling towers. <i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Chromium-based water treatment chemicals have been used on or after September 8, 1994.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)</b>	
1. The application area includes a bulk gasoline terminal.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. The application area includes a pipeline breakout station. <i>If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. <i>If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input checked="" 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. <i>If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
5. An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. <i>If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). <i>If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. Emissions screening factor less than 0.5 (ET or EP < 0.5). <i>If the response to Question VIII.G.7 is "YES," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). <i>If the response to Question VIII.G.8 is "YES," go to Section VIII.H.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). <i>If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The site at which the application area is located is a major source of HAP. <i>If the response to Question VIII.G.10 is "NO," go to Section VIII.H.</i>	<input checked="" 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 checked="" type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 44</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>I. Subpart T - National Emission Standards for Halogenated Solvent Cleaning</b>	
1. The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins</b>	
1. The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. <i>If the response to Question VIII.J.1 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. <i>If the response to Question VIII.J.2 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)</b>	
5. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)</b>	
<b>Containers</b>	
11. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Drains</b>	
12. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. <i>If the response to Question VIII.J.15 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). <i>If the response to Question VIII.J.16 is "NO," go to Section VIII.K.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)</b>	
<b>Drains (continued)</b>	
17. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>K. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production</b>	
1. The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. <i>If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area includes a BLR and/or WSR research and development facility.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 48</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>L. Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting</b>	
1. The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. <i>If the response to Question VIII.L.1 is "NO" or "N/A," go to Section VIII.M.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>M. Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations</b>	
1. The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries</b>	
<b>Applicability</b>	
1. The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). <i>If the response to Question VIII.N.1 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). <i>If the response to Question VIII.N.2 is "YES," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>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). <i>If the response to Question VIII.N.3 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. <i>If the response to Question VIII.N.4 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. <i>If the response to Question VIII.N.7 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 50</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)</b>	
<b>Applicability (continued)</b>	
9. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). <i>If the response to Question VIII.N.9 is "NO," go to Section VIII.O.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Containers, Drains, and other Appurtenances</b>	
11. The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations</b>	
1. The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). <i>If the response to Question VIII.O.1 is "NO" or "N/A," go to Section VIII.P</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
2. Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 51</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)</b>	
4. The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a “state” or “municipality.”	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The predominant activity in the application area is the treatment of wastewater received from off-site.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. <i>If the response to Question VIII.O.10 is “YES,” go to Section VIII.P.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 52</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>	
11. The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. <i>If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. VOHAP concentration is determined by direct measurement.	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. VOHAP concentration is based on knowledge of the off-site material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. <i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes containers that manage non-exempt off-site material.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes individual drain systems that manage non-exempt off-site materials.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 54</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)</b>	
◆ 5. The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft <sup>3</sup> ) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. <i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i> <i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 6. The application area includes a triethylene glycol (TEG) dehydration unit. <i>For SOP applications, if the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 7. The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 8. The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 9. Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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<b>Form OP-REQ1: Page 56</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>U. Subpart PP - National Emission Standards for Containers (continued)</b>	
4. The application area includes containers using Container Level 3 controls.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>V. Subpart RR - National Emission Standards for Individual Drain Systems</b>	
1. The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards</b>	
1. The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. <i>If the responses to Questions VIII.W.1 and VIII.W.2 are both "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.W.6 is "NO," go to Question VIII.W.8.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 57</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.W.8 and W.9 are both "NO," go to Question VIII.W.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.W.12 is "NO," go to Question VIII.W.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 58</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area includes an ethylene production process unit.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
21. The application area includes waste streams generated from an ethylene production process unit. <i>If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
22. The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). <i>If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
23. Waste stream(s) are transferred off-site for treatment. <i>If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
24. The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. <i>If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 60</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)</b>	
25. The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	<input type="checkbox"/> YES <input type="checkbox"/> NO
26. The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). <i>If the response to Question VIII.W.26 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
27. The waste stream(s) contains at least 10 ppmw 1, 3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. <i>If the response to Question VIII.W.27 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
28. The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). <i>If the response to Question VIII.W.28 is "NO," go to Question VIII.W.33.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
29. The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
30. The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. <i>If the response to Question VIII.W.30 is "NO," go to Question VIII.W.43.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
31. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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

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

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

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

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<b>Form OP-REQ1: Page 65</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>	
5. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 66</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>	
13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Containers</b>	
14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>Drains</b>	
15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a thermoplastic product process unit. <i>If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 67</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)</b>	
<b>Drains (continued)</b>	
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). <i>If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	<input type="checkbox"/> YES <input type="checkbox"/> NO
21. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
22. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a 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. <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. <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>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
5. The application area includes process wastewater streams. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). <i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. <i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
20. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
21. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	<input type="checkbox"/> YES <input type="checkbox"/> NO
22. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). <i>If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
23. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). <i>If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
24. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	<input type="checkbox"/> YES <input type="checkbox"/> NO
25. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	<input type="checkbox"/> YES <input type="checkbox"/> NO
26. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 72</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)</b>	
<b>BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.</b>	
1. The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation</b>	
1. The application area includes a facility at which a site remediation is conducted. <i>If the answer to Question VIII.CC.1 is "NO," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area is located at a site that is a major source of HAP. <i>If the answer to Question VIII.CC.2 is "NO," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. All site remediation's qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). <i>If the answer to Question VIII.CC.3 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. <i>If the answer to Question VIII.CC.4 is "YES," go to Section VIII.DD.</i>	<input type="checkbox"/> YES <input 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. <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. <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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<b>Form OP-REQ1: Page 73</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)</b>	
9. The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. <i>If the response to Question VIII.CC.9 is "NO," go to Question VIII.CC.14.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
11. The application area includes containers with a capacity greater than 0.46 m <sup>3</sup> that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	<input type="checkbox"/> YES <input type="checkbox"/> NO
12. The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
13. The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>DD. Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities</b>	
1. The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. <i>If the response to Question VIII.DD.1 is "NO," go to Section VIII.EE.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The EAF steelmaking facility is a research and development facility. <i>If the response to Question VIII.DD.2 is "YES," go to Section VIII.EE.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. Metallic scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Scrap containing motor vehicle scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Scrap not containing motor vehicle scrap is utilized in the EAF.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 74</b>	
<b>VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)</b>	
<b>EE. Subpart BBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities</b>	
1. The application area is located at a site that is an area source of HAPs. <i>If the answer to Question EE.1 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBB.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBB. <i>If the answer to Question VIII.EE.4 is "NO," go to Question VIII.EE.6.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. <i>If the answer to Question VIII.EE.6 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The bulk gasoline terminal has throughput of less than 250,000 gallons per day. <i>If the answer to Question VIII.EE.7 is "YES," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
8. The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. The bulk gasoline terminal loads gasoline into railcar cargo tanks. <i>If the answer to Question VIII.EE.9 is "NO," go to Section VIII.FF.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
10. The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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<b>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. <i>If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆ 2. The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. <i>If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 3. The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆ 4. The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>GG. Recently Promulgated 40 CFR Part 63 Subparts</b>	
◆ 1. The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. <i>If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆ 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. <b>Subpart EEEE, 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 <input type="checkbox"/> N/A
<b>B. Subpart B - Servicing of Motor Vehicle Air Conditioners</b>	
◆ 1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances</b>	
◆ 1. The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>D. Subpart D - Federal Procurement</b>	
◆ 1. The application area is owned/operated by a department, agency, or instrumentality of the United States.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>E. Subpart E - The Labeling of Products Using Ozone Depleting Substances</b>	
◆ 1. The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 3. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 77</b>	
<b>X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone (continued)</b>	
<b>F. Subpart F - Recycling and Emissions Reduction</b>	
◆ 1. Servicing, maintenance, and/or repair on refrigeration and non-motor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	<input 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 <input type="checkbox"/> N/A
◆ 3. The application area manufactures appliances or refrigerant recycling and recovery equipment.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>G. Subpart G - Significant New Alternatives Policy Program</b>	
◆ 1. The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. <i>If the response to Question X.G.1 is "NO" or "N/A," go to Section X.H.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
<b>H. Subpart H -Halon Emissions Reduction</b>	
◆ 1. Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. Disposal of halons or manufacturing of halon blends is conducted in the application area.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
<b>XI. Miscellaneous</b>	
<b>A. Requirements Reference Tables (RRT) and Flowcharts</b>	
1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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<b>Form OP-REQ1: Page 78</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>B. Forms</b>	
◆ 1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. <i>If the response to Question XI.B.1 is "NO" or "N/A," go to Section XI.C.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
◆ 2. Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter, and Division designation for the State regulation(s) in the space provided below.  <b>40 CFR 63, Subpart EEEE</b>	
<b>C. Emission Limitation Certifications</b>	
◆ 1. The application area includes units for which federally enforceable emission limitations have been established by certification.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>D. Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements</b>	
1. The application area is located at a site that is subject to a site-specific requirement of the state implementation plan (SIP).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units located at the site that are subject to a site-specific requirement of the SIP.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator. <i>If the response to Question XI.D.3 is "YES," please include a copy of the approval document with the application.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
4. The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the TCEQ Executive Director. <i>If the response to Question XI.D.4 is "YES," please include a copy of the approval document with the application.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 79</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>E. Title IV - Acid Rain Program</b>	
1. The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>F. 40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO<sub>x</sub> Ozone Season Group 2 Trading Program</b>	
1. The application area includes emission units subject to the requirements of the CSAPR NO <sub>x</sub> Ozone Season Group 2 Trading Program. <i>If the response to Question XI.F.1 is "NO," go to Question XI.F.7.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO <sub>x</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO <sub>x</sub> , and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO <sub>x</sub> , and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO <sub>x</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO <sub>x</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. The application area includes emission units that qualify for the CSAPR NO <sub>x</sub> Ozone Season Group 2 retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 80</b>	
<b>XI. Miscellaneous (continued)</b>	
<b>G. 40 CFR Part 97, Subpart FFFFF - Texas SO<sub>2</sub> Trading Program</b>	
1. The application area includes emission units complying with the requirements of the Texas SO <sub>2</sub> Trading Program. <i>If the response to Question XI.G.1 is "NO," go to Question XI.G.6.</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO <sub>2</sub> and 40 CFR Part 75, Subpart H for heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO <sub>2</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO <sub>2</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO <sub>2</sub> and heat input.	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. The application area includes emission units that qualify for the Texas SO <sub>2</sub> Trading Program retired unit exemption.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>H. Permit Shield (SOP Applicants Only)</b>	
1. A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	<input 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. <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 <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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A

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<b>Form OP-REQ1: Page 82</b>		
<b>XI. Miscellaneous (continued)</b>		
<b>J. Title 30 TAC Chapter 101, Subchapter H (continued)</b>		
◆	4. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO <sub>x</sub> .	<input 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	7. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>K. Periodic Monitoring</b>		
◆	1. The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	2. The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	3. All periodic monitoring requirements are being removed from the permit with this application.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>Form OP-REQ1: Page 83</b>		
<b>XI. Miscellaneous (continued)</b>		
<b>L. Compliance Assurance Monitoring</b>		
◆	<p>1. The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. <i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	<p>2. The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. <i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>4. The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
	<p>5. The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
	<p>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.</p>	
◆	<p>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).</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
◆	<p>8. All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i></p>	<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. <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
◆ 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. <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
◆ 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. <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
◆ 12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass. <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
<b>M. Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times</b>	
◆ 1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. <i>If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.</i> <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</span>
◆ 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. <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>
<b>XII. New Source Review (NSR) Authorizations</b>	
<b>A. Waste Permits with Air Addendum</b>	
◆ 1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i> <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>

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<b>Form OP-REQ1: Page 85</b>		
<b>XII. New Source Review (NSR) Authorizations (continued)</b>		
<b>B. Air Quality Standard Permits</b>		
◆	1. The application area includes at least one Air Quality Standard Permit NSR authorization. <i>If the response to XII.B.1 is "NO," go to Section XII.C. If the response to XII.B.1 is "YES," be sure to include the standard permit's registration numbers in Section XII.H and answer XII.B.2 - B.16 as appropriate.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	2. The application area includes at least one "State Pollution Control Project" Air Quality Standard Permit NSR authorization under 30 TAC § 116.617.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	3. The application area includes at least one non-rule Air Quality Standard Permit for Pollution Control Projects NSR authorization.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
◆	4. The application area includes at least one "Installation and/or Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization under 30 TAC § 116.620.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	5. The application area includes at least one non-rule Air Quality Standard Permit for Oil and Gas Handling and Production Facilities NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	6. The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	7. The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	8. The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	9. The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
◆	10. The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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

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<b>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.:	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.: <b>N054</b>	Issuance Date: 02/24/2022	Pollutant(s): VOC	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
<i>If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: <a href="http://www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html">www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html</a>.</i>			
<b>G. NSR Authorizations with FCAA § 112(g) Requirements</b>			
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
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.: 87492	Issuance Date: 7/19/2019	Authorization No.:	Issuance Date:
Authorization No.: 5631	Issuance Date: 02/24/2022	Authorization No.:	Issuance Date:
Authorization No.: 158489	Issuance Date: 10/18/2019	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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<b>Form OP-REQ1: Page 88</b>	
<b>XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)</b>	
◆ <b>I. Permits by Rule (30 TAC Chapter 106) for the Application Area</b>	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR No.: 106.183	Version No./Date: 09/04/2000
PBR No.: 106.261	Version No./Date: 12/24/1998
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.433	Version No./Date: 09/04/2000
PBR No.: 106.452	Version No./Date: 09/04/2000
PBR No.: 106.472	Version No./Date: 03/14/1997
PBR No.: 106.473	Version No./Date: 09/04/2000
PBR No.: 106.478	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 09/04/2000
PBR No.:	Version No./Date:
◆ <b>J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>	
Permit No.:	Issuance Date:

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

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

Date:	Permit No.:	Regulated Entity No:
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Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
A	4	WEST-PUMP1	OP-REQ2	40 CFR Part 60 Subpart IIII	40 CFR 60.4200(a)	This is portable diesel water pump is not a stationary engine.
A	4	WEST-PUMP1	OP-REQ2	40 CFR Part 63, Subpart ZZZZ	40 CFR 63.6585(a)	This is portable diesel water pump is not a stationary engine.
A	5	WEST-PUMP2	OP-REQ2	40 CFR Part 60 Subpart IIII	40 CFR 60.4200(a)	This is portable diesel water pump is not a stationary engine.
A	5	WEST-PUMP2	OP-REQ2	40 CFR Part 63, Subpart ZZZZ	40 CFR 63.6585(a)	This is portable diesel water pump is not a stationary engine.

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

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</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)
10	390-6010	OP-UA03	60Kb-001	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i), §60.112b(a)(1)(iii)-(ix) §60.112b(a)(1)(ii)(C)
11	390-6011	OP-UA03	60Kb-001	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i), §60.112b(a)(1)(iii)-(ix) §60.112b(a)(1)(ii)(C)
12	390-6012	OP-UA03	60Kb-001	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i), §60.112b(a)(1)(iii)-(ix) §60.112b(a)(1)(ii)(C)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</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)
10	390-6010	OP-UA03	60Kb-002	VOC	40 CFR Part 60, Subpart Kb	§60.110b(e)(5) §63.1062(a), (a)(1) §63.1063(a)(1)(i), (a)(2)(i)-(vi), (a)(2)(ix) §63.1063(b)(1)-(4), (e)(1)-(2) §63.1063(a)(2)(viii) §63.1063(a)(2)(viii)(B) §63.1063(a)(1)(i)(B)
11	390-6011	OP-UA03	60Kb-002	VOC	40 CFR Part 60, Subpart Kb	§60.110b(e)(5) §63.1062(a), (a)(1) §63.1063(a)(1)(i), (a)(2)(i)-(vi), (a)(2)(ix) §63.1063(b)(1)-(4), (e)(1)-(2) §63.1063(a)(2)(viii) §63.1063(a)(2)(viii)(B) §63.1063(a)(1)(i)(B)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</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)
12	390-6012	OP-UA03	60Kb-002	VOC	40 CFR Part 60, Subpart Kb	§60.110b(e)(5) §63.1062(a), (a)(1) §63.1063(a)(1)(i), (a)(2)(i)-(vi), (a)(2)(ix) §63.1063(b)(1)-(4), (e)(1)-(2) §63.1063(a)(2)(viii) §63.1063(a)(2)(viii)(B) §63.1063(a)(1)(i)(B)
10	390-6010	OP-UA03	R5112-006	30 TAC Chapter 115, Storage of VOCs	VOC	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</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)
11	390-6011	OP-UA03	R5112-006	30 TAC Chapter 115, Storage of VOCs	VOC	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A)
12	390-6012	OP-UA03	R5112-006	30 TAC Chapter 115, Storage of VOCs	VOC	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</b>	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
10	390-6010	60Kb-001	VOC	§60.113b(a)(1), (a)(4), (a)(5) §60.116b(a)-(b) §60.113b(a)(2) §60.116b(c) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.115b, (a)(2) §60.116b(a)-(b) §60.116b(c)	§60.113b(a)(5) §60.115b, (a)(1) §60.113b(a)(2) §60.115b(a)(3)
11	390-6011	60Kb-001	VOC	§60.113b(a)(1), (a)(4), (a)(5) §60.116b(a)-(b) §60.113b(a)(2) §60.116b(c) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.115b, (a)(2) §60.116b(a)-(b) §60.116b(c)	§60.113b(a)(5) §60.115b, (a)(1) §60.113b(a)(2) §60.115b(a)(3)
12	390-6012	60Kb-001	VOC	§60.113b(a)(1), (a)(4), (a)(5) §60.116b(a)-(b) §60.113b(a)(2) §60.116b(c) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.115b, (a)(2) §60.116b(a)-(b) §60.116b(c)	§60.113b(a)(5) §60.115b, (a)(1) §60.113b(a)(2) §60.115b(a)(3)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</b>	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
10	390-6010	60Kb-002	VOC	§60.110b(e)(5)(iii) §60.116b(a) § 63.1063(c)(1), [G](d)(1), (d)(2) [G]§63.1063(c)(1)(i) §60.116b(c) §60.116b(e), (e)(1)§60.116b(e)(2), (e)(2)(i)	§60.110b(e)(5)(iv)(B)-(E) §60.116b(a) §63.1063(e)(2) §63.1065, (a), [G](b)(1), (c)- (d) §60.116b(c)	§60.110b(e)(5)(iv)(A) §60.110b(e)(5)(iv)(F)(1)-(2) [G]§63.1066(a) §63.1066(b)(1)-(2), (b)(4)
11	390-6011	60Kb-002	VOC	§60.110b(e)(5)(iii) §60.116b(a) § 63.1063(c)(1), [G](d)(1), (d)(2) [G]§63.1063(c)(1)(i) §60.116b(c) §60.116b(e), (e)(1)§60.116b(e)(2), (e)(2)(i)	§60.110b(e)(5)(iv)(B)-(E) §60.116b(a) §63.1063(e)(2) §63.1065, (a), [G](b)(1), (c)- (d) §60.116b(c)	§60.110b(e)(5)(iv)(A) §60.110b(e)(5)(iv)(F)(1)-(2) [G]§63.1066(a) §63.1066(b)(1)-(2), (b)(4)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</b>	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
12	390-6012	60Kb-002	VOC	§60.110b(e)(5)(iii) §60.116b(a) § 63.1063(c)(1), [G](d)(1), (d)(2) [G]§63.1063(c)(1)(i) §60.116b(c) §60.116b(e), (e)(1)§60.116b(e)(2), (e)(2)(i)	§60.110b(e)(5)(iv)(B)-(E) §60.116b(a) §63.1063(e)(2) §63.1065, (a), [G](b)(1), (c)- (d) §60.116b(c)	§60.110b(e)(5)(iv)(A) §60.110b(e)(5)(iv)(F)(1)-(2) [G]§63.1066(a) §63.1066(b)(1)-(2), (b)(4)
10	390-6010	R5112-006	30 TAC Chapter 115, Storage of VOCs	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(1)(B)

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

Date: <b>September 19, 2024</b>	Regulated Entity No.: <b>100224740</b>	Permit No.: <b>O1043</b>
Company Name: <b>Enterprise Products Operating LLC</b>	Area Name: <b>Houston Terminal</b>	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
11	390-6011	R5112-006	30 TAC Chapter 115, Storage of VOCs	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(1)(B)
12	390-6012	R5112-006	30 TAC Chapter 115, Storage of VOCs	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(1)(B)

**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> September 19, 2024	<b>Regulated Entity No.:</b> 100224740	<b>Permit No.:</b> O1043
<b>Company Name:</b> Enterprise Products Operating LLC		<b>Area Name:</b> Houston Terminal

- 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>
The <i>Responsible Official</i> commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.

<b>B. Compliance Certification - Statement for Units in Compliance*</b> (Indicate Response by entering an "X" in the appropriate column)	
1. With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2. Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
3. If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. (For reference only)	-
<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-PBRSUP: 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
September 19, 2024	O1043	100224740

Unit ID No.	Registration No.	PBR No.	Registration Date
VCT-3	157090	106.263	6/13/2019
175-59	152684	106.478	8/17/2018
175-59	152684	106.261	8/17/2018
200-56	152684	106.478	8/17/2018
200-56	152684	106.261	8/17/2018
200-57	152684	106.478	8/17/2018
200-57	152684	106.261	8/17/2018
200-58	152684	106.478	8/17/2018
200-58	152684	106.261	8/17/2018
265-28	92912	106.478	01/07/2019
265-28	92912	106.263	01/07/2019
275-70	99145	106.478	02/18/2019
275-71	96611	106.261	02/22/2019
275-71	96611	106.263	02/22/2019
275-71	96611	106.478	02/22/2019
275-72	96611	106.261	02/22/2019
275-72	96611	106.263	02/22/2019
275-72	96611	106.478	02/22/2019
275-73	99145	106.478	02/18/2019
30-10	157088	106.478	10/30/2023
30-13	157088	106.478	10/30/2023
390-35	92912	106.478	01/07/2019
390-35	92912	106.263	01/07/2019
390-36	94991	106.478	01/22/2019
390-36	94991	106.263	01/22/2019
390-6005	147683	106.478	03/05/2019
390-6006	147683	106.478	03/05/2019
390-6007	147683	106.478	03/05/2019
390-6008	147683	106.478	03/05/2019
390-6009	153555	106.478	11/29/2018
390-6010	157090	106.478	6/13/2019
390-6011	157090	106.478	6/13/2019
390-6012	157090	106.478	6/13/2019
80-1	157088	106.478	10/30/2023
80-2	157088	106.478	10/30/2023
80-3	70963	106.472	2/12/2004
80-3	157088	106.478	10/30/2023

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

Date	Permit Number	Regulated Entity Number
September 19, 2024	O1043	100224740

Unit ID No.	Registration No.	PBR No.	Registration Date
80-37	113313	106.478	01/22/2019
COAT433	86536	106.433	11/18/2008
COAT433	86536	106.452	11/18/2008
FUG 100	73860	106.261	10/26/2004
FUG 100	105067	106.261	01/22/2019
FUG 100	109320	106.261	01/11/2017
FUG 100	155108	106.261	5/29/2019
FUG 100	163666	106.261	1/7/2021
FUG 100	163666	106.262	1/7/2021
FUG 200	92912	106.261	01/07/2019
FUG 200	94991	106.261	01/22/2019
FUG 200	109320	106.261	01/11/2017
FUG 200	113313	106.261	01/22/2019
FUG 200	163666	106.261	1/7/2021
FUG 200	163666	106.262	1/7/2021
FUG 200	155108	106.261	5/29/2019
FUG 300	155108	106.261	5/29/2019
FUG 500	155108	106.261	5/29/2019
FUG 600	99145	106.261	02/18/2019
FUG 600	109320	106.261	01/11/2017
FUG 600	113313	106.261	01/22/2019
FUG 600	155108	106.261	5/29/2019
FUG 700	155108	106.261	5/29/2019
FUG 800	155108	106.261	5/29/2019
FUG 800	157088	106.478	10/30/2023
FUG 900	147683	106.478	03/05/2019
FUG 900	153555	106.262	11/29/2018
FUG 900	157090	106.262	6/13/2019
FUG BD-D	155108	106.261	5/29/2019
FUG SD-6/7	109320	106.261	01/11/2017
FUG SD-6/7	109703	106.261	6/28/2013
FUG SD-6/7	109703	106.262	6/28/2013
FUG SD-8/9	109320	106.261	01/11/2017
FUG SD-8/9	109703	106.261	6/28/2013
FUG SD-8/9	109703	106.262	6/28/2013
FUG TR-1/2	52653	106.261	10/15/2002
KILGORE	155108	106.261	5/29/2019

**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
September 19, 2024	O1043	100224740

Unit ID No.	Registration No.	PBR No.	Registration Date
PR FUG	155108	106.261	5/29/2019
R8-1	105067	106.478	01/22/2019
R8-2	105067	106.478	01/22/2019
SD-4	155108	106.261	5/29/2019
SD-5	155108	106.261	5/29/2019
SD-6	155108	106.261	5/29/2019
SD-7	155108	106.261	5/29/2019
SD-8/9	109703	106.261	6/28/2013
SD-8/9	109703	106.262	6/28/2013
SD-8/9	155108	106.261	5/29/2019
SITEWIDE	99145	106.263	02/18/2019
SITEWIDE	105067	106.263	01/22/2019
SITEWIDE	113313	106.263	01/22/2019
SITEWIDE	147683	106.263	03/05/2019
SITEWIDE	153555	106.263	11/29/2018
SITEWIDE	157090	106.263	6/13/2019
TR-1	155108	106.261	5/29/2019
TR-2	155108	106.261	5/29/2019
VCT-1	147683	106.263	03/05/2019
VCT-1	153555	106.263	11/29/2018
VCT-1	157090	106.263	6/13/2019
VCT-2	157090	106.263	6/13/2019

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>
SITEWIDE	106.263	11/01/2001
S-11	106.183	09/04/2000
S-12	106.183	09/04/2000
S-13	106.183	09/04/2000
S-16	106.183	09/04/2000
S-17	106.183	09/04/2000
S-18	106.183	09/04/2000
S-20	106.183	09/04/2000
S-23	106.183	09/04/2000
EMERGGEN-1	106.511	09/04/2000
EMERGGEN-2	106.511	09/04/2000
FIREPUMP-1	106.511	09/04/2000
FIREPUMP-2	106.511	09/04/2000
FIREPUMP-3	106.511	09/04/2000
FIREPUMP-4	106.511	09/04/2000
FIREPUMP-5	106.511	09/04/2000
WEST-PUMP1	106.511	09/04/2000
WEST-PUMP2	106.511	09/04/2000
TK-9000	106.473	09/04/2000
100-60	106.478	09/04/2000
100-61	106.478	09/04/2000
100-63	106.478	09/04/2000
200-20	106.478	09/04/2000
390-26	106.478	09/04/2000
390-27	106.478	09/04/2000
390-34	106.478	09/04/2000
80-62	106.478	09/04/2000
80-64	106.478	09/04/2000

**Permit By Rule Supplemental Table (Page 3)**

**Table C: Claimed (not registered) Permits By Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area  
Texas Commission on Environmental Quality**

Date	Permit Number	Regulated Entity Number
September 19, 2024	O1043	100224740

PBR No.	Version No./Date
None	

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
VCT-3	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
175-59	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
175-59	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
200-56	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-56	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
200-57	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-57	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
200-58	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-58	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
265-28	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
265-28	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
275-70	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
275-71	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
275-71	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
275-71	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
275-72	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
275-72	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
275-72	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
275-73	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
30-10	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
30-13	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-35	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-35	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
390-36	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-36	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
390-6005	106.478	09/04/2000	Maintain records of material throughputs and materials stored.

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
390-6006	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6007	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6008	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6009	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6010	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6011	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-6012	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-1	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-2	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-3	106.472	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored for a consecutive 12-month period.
80-3	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-37	106.478	09/04/2000	Maintain records of material throughputs and materials stored.

**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
September 19, 2024	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
COAT433	106.433	09/04/2000	Maintain the following records in accordance with 30 TAC §106.433(8) for the most recent 24 -month period: (a) Material Safety Data Sheets for all coating materials and solvents; (b) data of daily coatings and solvent use, and the actual hours of operation of each coating operation; (c) a monthly report that of actual hours of operation each day, and emissions from each operation; and (d) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.
COAT433	106.452	09/04/2000	The facility will maintain records for outside blast cleaning, including
EMERGEN-1	106.511	09/04/2000	Maintain records of total runtime hours per month.
EMERGEN-2	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-1	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-2	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-3	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-4	106.511	09/04/2000	Maintain records of total runtime hours per month.
FIREPUMP-5	106.511	09/04/2000	Maintain records of total runtime hours per month.
FUG 100	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 100	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).

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

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
FUG 200	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 200	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 300	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 500	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 600	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 700	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 800	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG 800	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
FUG 900	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG 900	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
FUG BD-D	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

Date	Permit Number	Regulated Entity Number
September 19, 2024	O1043	100224740

Unit ID No.	PBR No.	Version No./Date	Monitoring Requirement
FUG SD-6/7	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG SD-6/7	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG SD-8/9	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
FUG SD-8/9	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
FUG TR-1/2	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
KILGORE	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
PR FUG	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
R8-1	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
R8-2	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
S-11	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
S-12	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-13	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-16	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-17	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-18	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-20	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
S-23	106.183	09/04/2000	The facility will maintain documentation of hours of fuel oil firing and fuel oil purchases, if used as back-up fuel.
SD-4	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-5	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-6	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-7	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).

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

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
SD-8/9	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
SD-8/9	106.262	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.262(a)(2).
SITEWIDE	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
TK-9000	106.473	09/04/2000	Maintain records of materials loaded, unloaded, and/or stored and loading rates.
TR-1	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
TR-2	106.261	11/01/2003	Maintain records demonstrating compliance with the emission limitations in 30 TAC §106.261(a)(2)-(3).
VCT-1	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
VCT-2	106.263	11/01/2001	The facility will maintain records in accordance with 30 TAC 106.263(g).
WEST-PUMP1	106.511	09/04/2000	Maintain records of total runtime hours per month.
WEST-PUMP2	106.511	09/04/2000	Maintain records of total runtime hours per month.
100-60	106.478	09/04/2000	Maintain records of material throughputs and materials stored.

**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**

<b>Date</b>	<b>Permit Number</b>	<b>Regulated Entity Number</b>
September 19, 2024	O1043	100224740

<b>Unit ID No.</b>	<b>PBR No.</b>	<b>Version No./Date</b>	<b>Monitoring Requirement</b>
100-61	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
100-63	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
200-20	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-26	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-27	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
390-34	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-62	106.478	09/04/2000	Maintain records of material throughputs and materials stored.
80-64	106.478	09/04/2000	Maintain records of material throughputs and materials stored.

## ATTACHMENT 9

The unit attribute forms included in this attachment are as follows:

- + OP-UA03: Storage Tank/Vessel Attributes

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

Date	Permit No.	Regulated Entity No.
September 19, 2024	O1043	100224740

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.
390-6010	60Kb-001	PTLQ-3	40K+	NONE	0.75-11.1	IFR-MT				
390-6011	60Kb-001	PTLQ-3	40K+	NONE	0.75-11.1	IFR-MT				
390-6012	60Kb-001	PTLQ-3	40K+	NONE	0.75-11.1	IFR-MT				
390-6010	60Kb-002	PTLQ-3	40K+	IFR		IFR-MT		SLEAVE		
390-6011	60Kb-002	PTLQ-3	40K+	IFR		IFR-MT		SLEAVE		
390-6012	60Kb-002	PTLQ-3	40K+	IFR		IFR-MT		SLEAVE		

**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.
September 19, 2024	O1043	100224740

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
390-6010	R5112-006	NO		OIL1	B40K+			
390-6011	R5112-006	NO		OIL1	B40K+			
390-6012	R5112-006	NO		OIL1	B40K+			

**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.
September 19, 2024	O1043	100224740

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.
390-6010	R5112-006		IFR1	1.5+A				
390-6011	R5112-006		IFR1	1.5+A				
390-6012	R5112-006		IFR1	1.5+A				