

Texas Commission on Environmental Quality

Title V Existing

1068

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	VOPAK TERMINAL DEER PARK
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	2759 Independence Pkwy S
City	Deer Park
State	TX
ZIP	77536
County	HARRIS
Latitude (N) (##.#####)	29.743611
Longitude (W) (-###.#####)	95.090833
Primary SIC Code	4226
Secondary SIC Code	
Primary NAICS Code	493110
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100225093
What is the name of the Regulated Entity (RE)?	VOPAK TERMINAL DEER PARK
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	2759 INDEPENDENCE PKWY
City	DEER PARK
State	TX
ZIP	77536
County	HARRIS
Latitude (N) (##.#####)	29.62
Longitude (W) (-###.#####)	-95.046666
Facility NAICS Code	
What is the primary business of this entity?	COMMERCIAL WASTE DISPOSAL FACILITY

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601178734
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Vopak Terminal Deer Park Inc.
Texas SOS Filing Number	800119305
Federal Tax ID	741593222
State Franchise Tax ID	17415932221
State Sales Tax ID	

Local Tax ID	
DUNS Number	83560672
Number of Employees	251-500
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	VOPAK TERMINAL DEER PARK INC
Prefix	MR
First	GUSTAVO
Middle	
Last	NERY
Suffix	
Credentials	
Title	SITE DIRECTOR SOUTHERN REGION
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2759 INDEPENDENCE PKWY S
Routing (such as Mail Code, Dept., or Attn:)	
City	DEER PARK
State	TX
ZIP	77536
Phone (###-###-####)	2819792852
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	gustavo.nery@vopak.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	BRIDGETTE BOLLS(VOPAK TERMINAL ...)
Prefix	VOPAK TERMINAL DEER PARK INC
First	MS
Middle	BRIDGETTE
Last	BOLLS
Suffix	
Credentials	
Title	ENVIRONMENTAL SPECIALIST
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2759 INDEPENDENCE PKWY S

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

City

State

Zip

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

Extension

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

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

E-mail

DEER PARK

TX

77536

2816046065

bridgette.bolls@vopak.com

Technical Contact

Person TCEQ should contact for questions about this application:

Select existing TC contact or enter a new contact.

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

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

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

City

State

ZIP

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

Extension

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

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

E-mail

BRIDGETTE BOLLS(VOPAK TERMINAL ...)

VOPAK TERMINAL DEER PARK INC

MS

BRIDGETTE

BOLLS

ENVIRONMENTAL SPECIALIST

Domestic

2759 INDEPENDENCE PKWY S

DEER PARK

TX

77536

2816046065

bridgette.bolls@vopak.com

Title V General Information - Existing

1) Permit Type:

2) Permit Latitude Coordinate:

3) Permit Longitude Coordinate:

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

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

5) Who will electronically sign this Title V application?

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

SOP

29 Deg 44 Min 37 Sec

95 Deg 5 Min 27 Sec

Update

1068-36661

Duly Authorized Representative

No

requirements?

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name

[OP-CRO1 O1068.pdf](/ePermitsExternal/faces/file?fileId=281851)

Hash

C46909DEEAD1744B7693C360C6F1038707E582828300C8BBF2DDB20F7B7B32E2

MIME-Type

application/pdf

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

Certification

I certify that I am the Duly Authorized Representative for this application and that, based on information and belief formed after reasonable inquiry, the statements and information on this form are true, accurate, and complete.

1. I am Bridgette D Bolls, the owner of the STEERS account ER015862.
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 1068.
- 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: Bridgette D Bolls OWNER OPERATOR

Account Number:	ER015862
Signature IP Address:	170.85.100.102
Signature Date:	2025-09-12
Signature Hash:	D5E3A435EF67F889F74B3B394BB4DB73714F17BEF2D6CD334067378ADBF90E40
Form Hash Code at time of Signature:	8158E9C63F1F698E293051CFA41061F3151D65CCAB724CD394C434EA25669B49

Submission

Reference Number:	The application reference number is 817241
Submitted by:	The application was submitted by ER015862/Bridgette D Bolls
Submitted Timestamp:	The application was submitted on 2025-09-12 at 10:14:23 CDT
Submitted From:	The application was submitted from IP address 170.85.100.102
Confirmation Number:	The confirmation number is 677843
Steers Version:	The STEERS version is 6.92
Permit Number:	The permit number is 1068

Additional Information

Application Creator: This account was created by Kelley Oswalt

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

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

I. Identifying Information
RN: RN100225093
CN: CN601178734
Account No.:
Permit No.: O1068
Project No.: 36661
Area Name: Vopak Terminal Deer Park
Company Name: Vopak Terminal Deer Park, Inc.
II. Certification Type <i>(Please mark appropriate box)</i>
☐ Responsible Official Representative ☒ Duly Authorized Representative
III. Submittal Type <i>(Please mark appropriate box) (Only one response can be accepted per form)</i>
☐ SOP/TOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening
☐ GOP Initial Permit Application ☒ Update to Permit Application
☐ Other: _____

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

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

IV. Certification of Truth
This certification does not extend to information which is designated by TCEQ as information for reference only.
I, <u>Bridgette Bolls</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>09/30/2024</u>to <u>09/11/2025</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>Signed via STEERS</u>Signature Date: _____
Title: <u>Environmental Specialist</u>

From: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>
Sent: Friday, September 12, 2025 10:18 AM
To: Tusar Swami
Cc: bridgette.bolls@vopak.com; Lisa Alford
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 9/12/2025

Hi Tusar,

The OP-CRO1 was submitted in STEERs this morning.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Kelley Oswalt
Sent: Thursday, September 11, 2025 4:04 PM
To: Tusar Swami
Cc: bridgette.bolls@vopak.com; Lisa Alford
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 9/12/2025

Thanks Tusar. This draft looks good. We are working to certify all the updates.

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Thursday, September 11, 2025 2:14 PM
To: Kelley Oswalt <kelley.oswalt@trinityconsultants.com>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 9/12/2025

Kelley:
Incorporated your comments. See attached. Please work on the certification.

Sincerely,
Tusar Swami, P.E.
Texas Commission on Environmental Quality
OA/APD/Operating Permits Section

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



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

From: Kelley Oswalt <kelley.oswalt@trinityconsultants.com>
Sent: Thursday, September 11, 2025 11:41 AM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 9/12/2025

Hi Tusar,

I have just a few minor comments on the draft permit:

1. In the Unit Summary table for FUG, Index 61V-1, in the requirement driver column, please change the Control Device ID from TO-M1 to FL-MARINE1.
2. In the Unit Summary table for FUG, Index 61V-2, in the requirement driver column, please change the Control Device ID from TO-M2 to FL-MARINE2.
3. In the Periodic Monitoring tables for FL-MARINE1, FL-MARINE2 and VC-1000 for pollutant CO (Index 117-1), in the Periodic Monitoring Text, I noticed that is used the word "heater." I suggest changing that to "source" instead.



Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: <u>FL-MARINE1</u>	
Control Device ID No.: <u>N/A</u>	Control Device Type: <u>N/A</u>
Applicable Regulatory Requirement	
Name: <u>30</u> TAC Chapter 117, Subchapter B	SOP Index No.: <u>117-1</u>
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel usage	
Minimum Frequency: Hourly	
Averaging Period: <u>N/A</u>	
Deviation Limit: <u>Fuel</u> consumption that corresponds to a calculated CO emission rate of 22.90 lb/hr CO or greater.	
Periodic Monitoring Text: <u>Measure</u> and record the hourly fuel gas usage during periods the heater source is in operation. Once a month, the hourly fuel gas usage and the permitted emission <u>factor</u> <u>will</u> be used to calculate the average hourly CO emissions. The calculated average hourly CO emission rate for the source will be compared to the hourly CO permit limit. If the average hourly emissions for the source are above the hourly permit limit, this will be considered and reported as a deviation.	

Will you please send us back an updated draft with these corrections.
Then we will work on the certification.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Friday, September 5, 2025 5:25 PM
To: Kelley Oswalt <kelley.oswalt@trinityconsultants.com>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 9/12/2025

Kelley:

Please see attached updated draft. Your comments dated 4/21/25 and case-by-case PM which are approved are incorporated. Please have a final look and accept the draft before

management review. We need final certification for the duration 9/30/2024 through the current date.

I intend to go ahead and prepare the Public Notice Authorization package after hearing from you. Please respond by 9/12/2025. Thanks and have great weekend.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



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

From: Tusar Swami

Sent: Friday, July 18, 2025 2:04 PM

To: Kelley Oswalt <KOswalt@disorboconsult.com>

Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>

Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Good afternoon, Kelley:

One more thing just came up as I was finalizing the draft for PNAP.

Unit ID: T-806, 40 CFR Part 63 EEEE requirements (SOP Index 1-63EEEE).

We had high level requirements in the draft permit for this Unit ID. OP-UA3 is recently updated (7/2025), so we need the attribute values (Table 29) to determine the 63EEEE requirements.

[TCEQ Form 10008ins - OP-UA3 - Instructions Storage Tank/Vessel Attributes](#)

[TCEQ Form 10008tbl - OP-UA3 - Tables Storage Tank/Vessel Attributes](#)

So please submit the requested item by Wednesday (7/23 or earlier). Thanks as always.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



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

From: Kelley Oswalt <KOswalt@disorboconsult.com>
Sent: Friday, June 27, 2025 9:57 AM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. Response by 6/30/2025

Hi Tusar,

We are good with the suggested changes to the PM. And yes, these factors are permitted. For the FL-MARINE1 and FL-MARINE2 they are permitted in NSR 446A and for VC-1000 they are permitted in PBR 141104 registration.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Wednesday, June 25, 2025 11:14 AM
To: Kelley Oswalt <KOswalt@disorboconsult.com>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. Response by 6/30/2025

Kelley:

Good morning. Please see attached. John has reviewed and proposed some changes to the language of the deviation limit so that it correlates to the periodic monitoring (monitoring fuel usage). Vopak need to specify if the emission factor mentioned in the periodic monitoring text is the permitted emission factor. Looking forward hearing from you by 6/30. These are probably the final items to be resolved and agreed upon.

Sincerely,
Tusar Swami, P.E.

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

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

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

Email: tusar.swami@tceq.texas.gov



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

From: Kelley Oswalt <KOswalt@disorboconsult.com>

Sent: Thursday, June 5, 2025 11:46 AM

To: Tusar Swami <tusar.swami@tceq.texas.gov>; John Walker <John.Walker@tceq.texas.gov>

Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>

Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc.
Response by 6/2/2025

Hi Tusar and John,

Thank you for the review of the case-by-case PM and your suggested updates.

For the boilers, we agree with the updates. We decided to remove one of the deviation sentences from the Periodic Monitoring Text and move the other deviation sentence to the second paragraph as suggested. I've attached an updated OP-MON to coincide with this change. Therefore, the Periodic Monitoring Text will read:

Periodic Monitoring Text: Conduct monitoring annually following methods prescribed in §117.8120(2), as applicable. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. In a year where the tune-up required by 40 CFR Part 63, Subpart DDDDD is due (every 5 years), the annual CO monitoring will be conducted as part of the procedures in 40 CFR 63.7540(a)(10)(i)-(v) instead of 30 TAC Chapter 117. The CO and oxygen concentration in the effluent stream shall be measured and recorded. Measurement may be taken using a portable CO analyzer.

Under either monitoring procedure, the portable CO analyzer (or other monitoring instrumentation) shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data where the measured CO concentration exceeds 400 ppm by volume measured at 3.0% O₂ on a dry basis shall be considered and reported as a deviation.

For VC-1000, we have updated the deviation limit to use the 6.00 lb/hr CO limit in the PBR registration 141104. Calculations are attached to show how this limit correlates to a CO concentration less than 400 ppmv. I also attached an updated OP-MON for these changes.

For FL-MARINE1 and FL-MARINE2, we have updated the deviation limit to use the 22.90 lb/hr CO limit in the NSR 446A MAERT. Calculations are attached to show how this limit correlates to a CO concentration less than 400 ppmv. I also attached an updated OP-MON for these changes.

Please review and let us know if you have any other questions.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Wednesday, June 4, 2025 10:35 AM
To: Kelley Oswalt <KOswalt@disorboconsult.com>
Cc: bridgette.bolls@vopak.com; John Walker <John.Walker@tceq.texas.gov>; Lisa Alford <lisa.alford@vopak.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. Response by 6/2/2025

Thank you, Kelley

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



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

From: Kelley Oswalt <KOswalt@disorboconsult.com>
Sent: Wednesday, June 4, 2025 10:31 AM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Cc: bridgette.bolls@vopak.com; John Walker <John.Walker@tceq.texas.gov>; Lisa Alford <lisa.alford@vopak.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. Response by 6/2/2025

Hi Tusar,

I wanted to get you an update that we are working on this and I think we should have some responses to you by the end of the week.

Thanks.

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Friday, May 23, 2025 1:44 PM
To: Kelley Oswalt <KOswalt@disorboconsult.com>
Cc: bridgette.bolls@vopak.com; John Walker <John.Walker@tceq.texas.gov>
Subject: FW: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc.
Response by 6/2/2025

Kelley:

Good afternoon. Additional information is required for all case-by-case PM proposals. Please see attached document from John Walker, our subject matter expert with his comments. Please provide the additional information by 6/2/2025.

Have a wonderful long weekend.

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



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

From: Kelley Oswalt <kelley.oswalt@trinityconsultants.com>
Sent: Thursday, August 21, 2025 11:56 AM
To: Tusar Swami
Cc: Lisa Alford; Bridgette Bolls
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23
Attachments: SOP O1068 Renewal UA3 Tb29_2025-0821.pdf

Hi Tusar,

Thanks for your patience on this one as we tracked down all the different UA form questions.

Please find attached the UA3 Table 29 for T-806 (63EEEE).

Let us know if you need anything else.
Thanks again!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami
Sent: Wednesday, August 20, 2025 4:47 PM
To: Kelley Oswalt
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Good afternoon, Kelley:
Hopefully, you are doing great. Please get the requested information by the end of this week. Thanks in advance.

Sincerely,
Tusar Swami, P.E.

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



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

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.
8/21/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Means of Compliance	AMOC ID No.	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement	Construction Date
T-806	63EEEE-95	95PR						02-
T-806	63EEEE-20	20EC						02-

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 76)
Federal Operating Permit Program
Table 29b: 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.
8/21/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Storage Capacity	Vapor Pressure	Combination of Control Devices	Control Device	Control Device ID No.	Table 3 Compliance	Performance Test	Continuous Monitoring System
T-806	63EEEE-95	50K+		NO	ASNR	WFECAS-1	NO	DE	CPMS
T-806	63EEEE-20	50K+		NO	ASNR	WFECAS-1	NO	DE	CPMS

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 77)
Federal Operating Permit Program
Table 29c: 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.
8/21/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Negative Pressure	Bypass Line
T-806	63EEEE-95	NO	NONE
T-806	63EEEE-20	NO	NONE

From: Kelley Oswalt <kelly.oswalt@trinityconsultants.com>
Sent: Friday, August 8, 2025 10:53 AM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Hi Tusar, Thanks for your patience on this one. We have everything narrowed down except for one last question on the UA form. The site is still looking into it. Once I hear back from them, I can complete the UA form and send it your way.

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Friday, August 8, 2025 10:42 AM
To: Kelley Oswalt <kelly.oswalt@trinityconsultants.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Kelley:
Good morning. Hopefully things are going well at your end. I am still waiting on the OP-UA3. Please look into it. Thanks
Sincerely,
Tusar Swami, P.E.

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



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

From: Kelley Oswalt <kelly.oswalt@trinityconsultants.com>
Sent: Thursday, July 24, 2025 12:08 PM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Hi Tusar,

The updated form is currently being reviewed and hopefully I can it to you soon.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Thursday, July 24, 2025 10:44 AM
To: Kelley Oswalt <kelley.oswalt@trinityconsultants.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Good Morning, Kelley:
This is a friendly reminder. Sorry it came up in the last minute.
-Tusar

From: Tusar Swami
Sent: Friday, July 18, 2025 2:04 PM
To: Kelley Oswalt <KOswalt@disorboconsult.com>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by 7/23

Good afternoon, Kelley:
One more thing just came up as I was finalizing the draft for PNAP.
Unit ID: T-806, 40 CFR Part 63 EEEE requirements (SOP Index 1-63EEEE).
We had high level requirements in the draft permit for this Unit ID. OP-UA3 is recently updated (7/2025), so we need the attribute values (Table 29) to determine the 63EEEE requirements.

[TCEQ Form 10008ins - OP-UA3 - Instructions Storage Tank/Vessel Attributes](#)
[TCEQ Form 10008tbl - OP-UA3 - Tables Storage Tank/Vessel Attributes](#)

So please submit the requested item by Wednesday (7/23 or earlier). Thanks as always.

Sincerely,
Tusar Swami, P.E.
Texas Commission on Environmental Quality
OA/APD/Operating Permits Section
12100 Park 35 Circle, Bldg. C, Austin, TX 78753
Mail: MC-163, P. O. Box 13087, Austin, TX 78711-3087
Phone: 512/239-1581 Fax: 512/239-1400

Email: tusar.swami@tceq.texas.gov



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

From: Kelley Oswalt <KOswalt@disorboconsult.com>
Sent: Friday, June 27, 2025 9:57 AM
To: Tusar Swami <tusar.swami@tceq.texas.gov>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. Response by 6/30/2025

Hi Tusar,

We are good with the suggested changes to the PM. And yes, these factors are permitted. For the FL-MARINE1 and FL-MARINE2 they are permitted in NSR 446A and for VC-1000 they are permitted in PBR 141104 registration.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Wednesday, June 25, 2025 11:14 AM
To: Kelley Oswalt <KOswalt@disorboconsult.com>
Cc: bridgette.bolls@vopak.com; Lisa Alford <lisa.alford@vopak.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. Response by 6/30/2025

Kelley:

Good morning. Please see attached. John has reviewed and proposed some changes to the language of the deviation limit so that it correlates to the periodic monitoring (monitoring fuel usage). Vopak need to specify if the emission factor mentioned in the periodic monitoring text is the permitted emission factor. Looking forward hearing from you by 6/30. These are probably the final items to be resolved and agreed upon.

Sincerely,
Tusar Swami, P.E.
Texas Commission on Environmental Quality

From: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>
Sent: Monday, April 21, 2025 4:14 PM
To: Tusar Swami; bridgette.bolls@vopak.com
Cc: lisa.alford@vopak.com
Subject: RE: Working Draft Permit -- FOP O1068/Project 36661, Vopak Terminal Deer Park Inc - Respond by 4/21
Attachments: OP-MON 117 Boilers CO annual.pdf; OP-MON 117 VCU CO - fuel ratev2.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Hi Tusar,

We have reviewed the draft permit and have the following comments:

1. Please add Subpart Y to the special term and condition 1.E.
2. For GRPBGD, please delete index BB-8L1. This index number was originally created to represent the same scenario as index BB-8L, but using a different Control Device ID. Both Control Device IDs have been combined into index BB-8L per revision number 12 on OP-2 dated 5/17/2024.
3. For GRPBGD, index BB-8L on UA4, Table 5, please update the code for "Subpart BB Control Device Type" from FLARE to INCOTH per revision number 12 on OP-2 dated 5/17/2024. The citations in the draft permit appear to still represent using the FLARE code and need to be updated.
4. For T-803, please add back 30 TAC 115 Storage of VOC index numbers 115B-1, 115B-2, 1-V1, and 1-V2 as well as 40 CFR Part 60 Kb index numbers 1-Kb1, 1-Kb2, and 1-Kb3. These were not intended to be deleted. In addition, please make sure 40 CFR Part 60 Kb index numbers 1a-Kb1, 1a-Kb2, and 1a-Kb3 are still represented as well. These represent negative applicability and therefore won't show up in the TV permit but will show up in the Statement of Basis. These index numbers are still needed.
5. For T-806, please add back 30 TAC 115 Storage of VOC index numbers 1a-V1, and 1a-V2 as well as 40 CFR Part 60 Kb index numbers 1-Kb1, 1-Kb2, and 1-Kb3. These were not intended to be deleted. In addition, please make sure 40 CFR Part 60 Kb index numbers 1a-Kb1, 1a-Kb2, and 1a-Kb3 are still represented as well. These represent negative applicability and therefore won't show up in the TV permit but will show up in the Statement of Basis. These index numbers are still needed.
6. In the Applicable Requirements Summary table, for B-1 and B-2, index VII-1, the row for NOx is missing and should be added back.
7. Please update the periodic monitoring for B-1 and B-2, index VII-1 to the monitoring in the attached OP-MON. The suggested monitoring is for annual CO concentration monitoring performed during the boiler tune-up required under MACT DDDDD.
8. Shouldn't FL-MARINE1 and FL-MARINE2 (Index No. 117-1) have periodic monitoring for CO? We would like to use fuel usage for the monitoring. An updated OP-MON is attached.

9. For GRPTK5, T-800, T-803, T-806 (Index Nos. 5-Kb1, 5-Kb2, 5-Kb3), please update the deviation limit for periodic monitoring option PM-V-058 from “No detectable emissions” to “It shall be considered a deviation if there are detectable emissions of 500 ppm or greater above background and/or VOC concentrations are not measured and recorded.”
10. Please update the emission unit description for FL-MARINE1 to read “MARINE FLARE/VCU NO. 1”
11. Please update the emission unit description for FL-MARINE2 to read “MARINE FLARE/VCU NO. 2”
12. For SD-3, please correct the typo in the pre-construction authorization to list 106.262 instead of 206.262. This will also correctly remove “206.262” from the New Source Review Authorization References table.
13. For TR-22 and TR-7, please add 169601 to the list of pre-construction authorizations.

Also, please see responses to the questions below in green.

Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami
Sent: Monday, March 31, 2025 7:20 PM
To: bridgette.bolls@vopak.com
Cc: Kelley Oswalt
Subject: Working Draft Permit -- FOP O1068/Project 36661, Vopak Terminal Deer Park Inc - Respond by 4/21

Bridgette:

Good afternoon. I have conducted a technical review of *renewal* application for Vopak Terminal Deer Park Inc. 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. Following issues came up during the review which you need to address.

- (1) Unit IDs B-1 and B-2 - Case-by-case PM for 30 TAC Chapter 117, Subchapter B – Pollutant CO – The previously submitted case-by-case was not approved. So, you need to submit another with a different monitoring parameters. For the time being we have a place holder. Please see the detailed email dated 2/14/2025. KO: I believe this question is supposed to be for Unit ID VC-1000 (and not B-1 and B-2).

For B-1 and B-2, please use the monitoring in the attached OP-MON for annual CO concentration. As for VC-1000, we would like to use the fuel usage monitoring. Please find the updated OP-MON attached.

- (2) There are several Unit IDs (GRPTK5 and T-800) which needed additional periodic monitoring for 40 CFR Part 60, Subpart Kb. For GRPTK5, T-800 the SOP index Nos are 5-Kb1, 5-Kb2 and 5-Kb3. We gave them PM-V-058 and PM-V-059 (they go together) based on the PM in the effective permit for Unit ID T-803. Please confirm that you are ok with it. If not, you can provide a different PM option which may work. **KO: We approve of using PM-V-058 and PM-V-059. However, please update the deviation limit for PM-V-058 as suggested above.**

Please review the WDP and submit to me any comments you have on the working draft permit by **April 21, 2025**. *If this is the 2nd or later WDP submitted to the applicant for review, include the following language: Since this is a follow-up review to the previously submitted and reviewed WDP, only comments concerning changes since the last WDP may be considered by TCEQ. Any comments outside the scope of the most recent changes should be submitted as a separate project.*

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

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit. A quick acknowledgement to this email will be very much appreciated. Thank you for your cooperation.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



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

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

I. Identifying Information		
Account No.: HG-0629-I	RN No.: RN100225093	CN: CN601178734
Permit No: O1068	Project No.: 36661	
Area Name: Vopak Terminal Deer Park		
Company Name: Vopak Terminal Deer Park, Inc.		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: VC-1000, FL-MARINE1, FL-MARINE2		
Applicable Form: OP-UA35		
III. Applicable Regulatory Requirement		
Name: 30 TAC 117 Subchapter B		
SOP/GOP Index No.: 117-1		
Pollutant: CO		
Main Standard: 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration = 400 ppmv @ 3% O2, dry basis.		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Fuel Gas Usage	Minimum Frequency: Hourly	
Averaging Period: N/A		

I. Identifying Information

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

Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a correlation between fuel consumption and emission rates. In situations where such a correlation exists, measuring, calculating and recording the fuel consumption rate indicates whether the emission limitation or standard is being met.

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

I. Identifying Information		
Account No.: HG-0629-I	RN No.: RN100225093	CN: CN601178734
Permit No.: O1068	Project No.: 36661	
Area Name: Vopak Terminal Deer Park		
Company Name: Vopak Terminal Deer Park, Inc.		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 20		
Unit/EPN/Group/Process ID No.: B-1, B-2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC 117 Subchapter B		
SOP/GOP Index No.: VII-1		
Pollutant: CO		
Main Standard: 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration of 400 ppmv at 3.0% O₂, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: CO Concentration	Minimum Frequency: Annually	
Averaging Period: N/A		

I. Identifying Information

Periodic Monitoring Text: **Conduct monitoring annually following methods prescribed in §117.8120(2), as applicable. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.**

Basis of Monitoring:

It is widely practiced and accepted to calibrate and use a portable analyzer to measure CO concentration with procedures such as EPA Test Method 10 or a CO CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that a control device such as a catalytic converter is not functioning properly, or an emission unit is not obtaining complete combustion.

From: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>
Sent: Thursday, November 14, 2024 4:55 PM
To: Tusar Swami
Cc: bridgette.bolls@vopak.com; John Walker
Subject: RE: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by November 14, 2024
Attachments: Test Parameters from Vopak Terminals Deer Park- Marine Flare 702 Compliance Test Report 3-3-2023 Revision 1.pdf; Test Parameters from Vopak Terminals Deer Park- Marine Flare 802 Compliance Test Report 6-29-2023 Revision 1 (1).pdf; VC-1000 CO ppm conversion calc.xlsx
Follow Up Flag: Follow up
Flag Status: Completed

Hi Tusar and John,

I've attached the parameters of the three test runs for FL-MARINE1 and FL-MARINE2. These show the flue gas temperature during each test run. Since all of these are below the 1400 degrees F minimum, this shows that even at lower temperatures the CO limit is achievable. Therefore, a minimum of 1400 degrees F for a deviation limit is above and beyond the temperatures during the stack test and will ensure compliance.

I've also attached the calculations to show that 163 ppmv CO correlates to 0.1206 lb/MMBtu CO, which is extremely close to the 0.1200 lb/MMBtu CO emission factor used in the PBR registration 141104.

We are still looking into providing temperature data for VC-1000 and will provide that information as soon as possible.

Thanks.

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami
Sent: Thursday, November 7, 2024 5:24 PM
To: Kelley Oswalt
Cc: bridgette.bolls@vopak.com; John Walker
Subject: Technical Review - FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by November 14, 2024

Kelley:

Good Afternoon. John needs additional information.

It is important that we show how the deviation limit corresponds to an emission limit below the emission limit in the rule and the information provided does not capture all necessary information. We have received comments on case-by-case periodic monitoring for this rule in the past and would like to provide all the necessary information in the permit file to avoid any comments.

In regard to the VCU compliance test for FL-MARINE1 and FL-MARINE2, the compliance test does show that when the unit is operating that the ppmvd is below the emission limit in the rule however, the compliance test does not show what temperature the unit is operating at. Since the deviation limit is 1400 degrees, can you please provide information showing that when the unit is operated it has a combustion temperature/exhaust gas temperature of at least 1400 degrees. This could be from the manufacturer's recommendations, engineering calculations, and/or historical data.

In regard to Unit ID VC-1000, can you please provide the combustion temperature/exhaust gas temperature information as requested above. Also, can you provide the calculation on how the CO limit and emission factor from PBR Registration 141104 correlates to 163 ppmvd corrected to 3% O2. He was unable to find it in PBR Registration 141104 information.

Please talk to John (512-239-1277) if you any questions.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



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

From: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>

Sent: Friday, October 18, 2024 1:38 PM

To: Tusar Swami <tusar.swami@tceq.texas.gov>; John Walker <John.Walker@tceq.texas.gov>

Cc: bridgette.bolls@vopak.com

Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024

Hi Tusar and John,

We have attached the summary of the VCU compliance tests for FL-MARINE1 and FL-MARINE2. These tests show the average CO emissions and the Opacity limits during the tests. These show the CO ppmv limit way below the 400 ppmv corrected to 3% O2 limit from 30 TAC 117.310(c)(1). And these tests shows that the VOC DRE is met. The VOC DRE is met by meeting the combustion temperature deviation limit.

As for VC-1000, this VCU is authorized by PBR registration 141104, which has a CO limit of 6 lb/hr. This is based on an emission factor of 0.12 lb/MMBtu per vendor data. This emission factor corresponds to 163 ppmv, which is less than the 400 ppmv limit in 30 TAC 117.310(c)(1).

Therefore, this information, combined with the previously submitted justification regarding the nature of combustion (per the technical reference we provided) should ensure that if the units meet the VOC limit, then it will also meet the CO limit.

Thanks.

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Thursday, October 10, 2024 11:20 AM
To: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>; bridgette.bolls@vopak.com
Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024

Kelley:

Good Morning. I acknowledge receiving the response. Thank you.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



How are we doing? Fill out our online customer satisfaction survey at

www.tceq.texas.gov/customersurvey

From: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>
Sent: Thursday, October 10, 2024 11:07 AM
To: Tusar Swami <tusar.swami@tceq.texas.gov>; bridgette.bolls@vopak.com
Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024

Hi Tusar,

We are working on a response to your case-by-case PM question on 10/9 and will get back to you on that.

However, we would like to provide a response to your questions from 9/30. We have prepared an update to the renewal application with additional changes that are needed to the Title V permit. This PDF of the update is attached to this email. These updates should address your questions from 9/30.

Let us know if you have any further questions.
Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami <tusar.swami@tceq.texas.gov>
Sent: Wednesday, October 9, 2024 3:26 PM
To: bridgette.bolls@vopak.com
Cc: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>; John Walker <John.Walker@tceq.texas.gov>
Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024

Bridgette:

Good Afternoon. As I informed earlier the case-by-case PM submitted earlier was under review. We request additional clarification/stack test data for Unit IDs FL-MARINE1, FL-MARINE2, and VC-1000, showing how the deviation limit (combustion temperature/exhaust gas temperature) correlates to a CO concentration in ppmvd less than the emission limit in 30 TAC Chapter 117 § 117.310(c)(1). Since (potentially) additional case-by-case periodic monitoring will be submitted for other units which is identical to what has been provided, please provide justification/stack test data for those units as well. I have copied John Walker our Periodic Monitoring Subject Matter Expert.

Sincerely,
Tusar Swami, P.E.

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



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

From: Tusar Swami
Sent: Monday, September 30, 2024 2:39 PM

To: bridgette.bolls@vopak.com

Cc: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>

Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024

Bridgette:

Good Afternoon. I have started the technical review for the above referenced permit. Need following things .

- (1) Unit IDs B-1, B-2 (OP-UA6. SOP Index VII-1) need additional periodic monitoring for 30 TAC Chapter 117, Subchapter B. Main Citation 117.310(c)(1) – Pollutant CO.
- (2) Unit ID T-803 – OP-UA3, SOP Index Y5 for 40 CFR Part 61, Main Citation [G]61.271(c) – Please review if one of the following PM options is suitable (PM-V-008, PM-V-029 and PM-V-030). Please note that the PM-V-029 and O30 go together.

If you are providing case-by-case PM please provide a rationale to support your proposal. We are in the process of reviewing the case-by-case PM for FL-MARINE1, FL-MARINE2 and VC-1000 for 30 TAC Chapter 117, Subchapter B (Pollutant CO).

- (3) Please submit the OP-PBR SUP (all 4 Tables). Make sure the information in OP-SUMR, OP-REQ1 and OP-PBR SUP are all consistent. If necessary you may submit other forms as needed.

Please respond by October 11, 2024. Thank you.

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



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

From: Tusar Swami

Sent: Friday, May 31, 2024 10:40 AM

To: bridgette.bolls@vopak.com

Cc: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>

Subject: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc.

Bridgette:

Good Morning. I have been assigned to the Federal Operating Permit (FOP) initial issuance/renewal/revision application of Permit No. O1068 for Vopak Terminal Deer Park, Inc.. This

application has been assigned Project No.36661. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

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

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

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

Please notify me when these updates have been submitted.

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

Optional: Request any information that may have been noted as deficient or out-of-date during a preliminary project review (e.g. OP-1 with current contact data, current OP-REQ1, etc.), and include a deadline.

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

Sincerely,

Tusar Swami, P.E.

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

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

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

Phone: 512/239-1581 Fax: 512/239-1400
Email: tusar.swami@tceq.texas.gov



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

Calc from ppm to lb/MMBtu:

163 parts CO	8710 dscf	lb-mol	(20.9% - 0%)	28.01 lb	=	0.1206 lb/MMBtu CO
1000000 parts	MMBtu	385 dscf	(20.9%-3%)	lb-mol		

Use 385 scf/mol instead of 379 since that matches the 30 TAC standard conditions

**EPA METHOD 2 & 4
FLOW AND MOISTURE DETERMINATION**

COMPANY	Vopak Terminal
LOCATION	Deer Park, TX
UNIT TESTED	Marine Flare 802
FUEL PARAMETERS	
TYPE OF FUEL USED	Nat. Gas
TEST CONDITIONS	
TEST NUMBER	1
TEST DATE	6/29/2023
TEST SITE	Stack
UNIT LOAD	Full
BAROMETRIC PRESSURE (in Hg)	29.99
STACK HEIGHT (ft)	50.00
ADJ BAROMETRIC PRESSURE FOR HEIGHT (in	29.940
DUCT DIAMETER AT SAMPLING PLANE (in)	144.00
DUCT AREA AT SAMPLING PLANE (ft^2)	113.0973
SAMPLING RESULTS	
NOZZLE DIAMETER (in)	N/A
PITOT TUBE COEFFICIENT (C _p)	0.84
CONTROL BOX DELTA H STD	1.8748
DRY GAS METER CORRECTION FACTOR	0.9947
AVERAGE DELTA H (in H ₂ O)	0.750
AVG. SQRT DELTA P (in H ₂ O ^{1/2})	0.183253
AVG. METER TEMP. (F)	109.13
ELAPSED SAMPLING TIME (min)	64.00
METER VOLUME, UNCORR. (ft^3)	27.47
METER VOLUME, CORR. (ft^3)	27.32
METER VOLUME AT STD COND. (DSCF)	25.415
MOISTURE MEASURED BY WT. (g)	53.90
FLUE GAS PARAMETERS	
EXCESS OXYGEN (% DRY)	12.32
CO ₂ (% ACTUAL)	6.10
FLUE GAS TEMP (F)	1132.25
MOLECULAR WEIGHT, DRY	29.47
MOLECULAR WEIGHT, WET	28.43
FLUE GAS MOISTURE CONTENT (%)	9.09
FLUE GAS STATIC HEAD (in H ₂ O)	0.07
FLUE GAS STATIC HEAD (in Hg)	29.95
FLUE GAS FLOW RATE (DSCFM)	36849.23
FLUE GAS FLOW RATE (ACFM)	122132.47
AVG FLUE GAS VELOCITY (ft/sec)	18.00
PERCENT ISOKINETIC	N/A

**EPA METHOD 2 & 4
FLOW AND MOISTURE DETERMINATION**

COMPANY	Vopak Terminal
LOCATION	Deer Park, TX
UNIT TESTED	Marine Flare 802
FUEL PARAMETERS	
TYPE OF FUEL USED	Nat. Gas
TEST CONDITIONS	
TEST NUMBER	2
TEST DATE	6/29/2023
TEST SITE	Stack
UNIT LOAD	Full
BAROMETRIC PRESSURE (in Hg)	29.97
STACK HEIGHT (ft)	50.00
ADJ BAROMETRIC PRESSURE FOR HEIGHT (in	29.92
DUCT DIAMETER AT SAMPLING PLANE (in)	144.00
DUCT AREA AT SAMPLING PLANE (ft^2)	113.0973
SAMPLING RESULTS	
NOZZLE DIAMETER (in)	N/A
PITOT TUBE COEFFICIENT (C _p)	0.84
CONTROL BOX DELTA H STD	1.8748
DRY GAS METER CORRECTION FACTOR	0.9947
AVERAGE DELTA H (in H ₂ O)	0.750
AVG. SQRT DELTA P (in H ₂ O ^{1/2})	0.181578
AVG. METER TEMP. (F)	109.19
ELAPSED SAMPLING TIME (min)	64.00
METER VOLUME, UNCORR. (ft^3)	27.728
METER VOLUME, CORR. (ft^3)	27.58
METER VOLUME AT STD COND. (DSCF)	25.64
MOISTURE MEASURED BY WT. (g)	54.3
FLUE GAS PARAMETERS	
EXCESS OXYGEN (% DRY)	12.33
CO ₂ (% ACTUAL)	6.10
FLUE GAS TEMP (F)	1118.8
MOLECULAR WEIGHT, DRY	29.47
MOLECULAR WEIGHT, WET	28.43
FLUE GAS MOISTURE CONTENT (%)	9.08
FLUE GAS STATIC HEAD (in H ₂ O)	0.07
FLUE GAS STATIC HEAD (in Hg)	29.93
FLUE GAS FLOW RATE (DSCFM)	36659.47
FLUE GAS FLOW RATE (ACFM)	120539.79
AVG FLUE GAS VELOCITY (ft/sec)	17.76
PERCENT ISOKINETIC	N/A

**EPA METHOD 2 & 4
FLOW AND MOISTURE DETERMINATION**

COMPANY	Vopak Terminal
LOCATION	Deer Park, TX
UNIT TESTED	Marine Flare 802
FUEL PARAMETERS	
TYPE OF FUEL USED	Nat. Gas
TEST CONDITIONS	
TEST NUMBER	3
TEST DATE	6/29/2023
TEST SITE	Stack
UNIT LOAD	Full
BAROMETRIC PRESSURE (in Hg)	29.96
STACK HEIGHT (ft)	50.00
ADJ BAROMETRIC PRESSURE FOR HEIGHT (in	29.91
DUCT DIAMETER AT SAMPLING PLANE (in)	144.00
DUCT AREA AT SAMPLING PLANE (ft^2)	113.0973
SAMPLING RESULTS	
NOZZLE DIAMETER (in)	N/A
PITOT TUBE COEFFICIENT (C _p)	0.84
CONTROL BOX DELTA H STD	1.8748
DRY GAS METER CORRECTION FACTOR	0.9947
AVERAGE DELTA H (in H ₂ O)	0.750
AVG. SQRT DELTA P (in H ₂ O ^{1/2})	0.181578
AVG. METER TEMP. (F)	109.250
ELAPSED SAMPLING TIME (min)	64
METER VOLUME, UNCORR. (ft^3)	28.4970
METER VOLUME, CORR. (ft^3)	28.3460
METER VOLUME AT STD COND. (DSCF)	26.3363
MOISTURE MEASURED BY WT. (g)	35.7
FLUE GAS PARAMETERS	
EXCESS OXYGEN (% DRY)	12.32
CO ₂ (% ACTUAL)	6.00
FLUE GAS TEMP (F)	1144.9
MOLECULAR WEIGHT, DRY	29.45
MOLECULAR WEIGHT, WET	28.76
FLUE GAS MOISTURE CONTENT (%)	6.01
FLUE GAS STATIC HEAD (in H ₂ O)	0.07
FLUE GAS STATIC HEAD (in Hg)	29.92
FLUE GAS FLOW RATE (DSCFM)	37360.72
FLUE GAS FLOW RATE (ACFM)	120841.57
AVG FLUE GAS VELOCITY (ft/sec)	17.81
PERCENT ISOKINETIC	N/A

**EPA METHOD 2 & 4
FLOW AND MOISTURE DETERMINATION**

COMPANY	Vopak Terminal
LOCATION	Deer Park, TX
	Marine Flare 702
FUEL PARAMETERS	
TYPE OF FUEL USED	Nat. Gas
TEST CONDITIONS	
TEST NUMBER	1
TEST DATE	3/3/2023
TEST SITE	Stack
UNIT LOAD	Full
BAROMETRIC PRESSURE (in Hg)	29.75
STACK HEIGHT (ft)	50.00
ADJ BAROMETRIC PRESSURE FOR HEIGHT (in	29.700
DUCT DIAMETER AT SAMPLING PLANE (in)	144.00
DUCT AREA AT SAMPLING PLANE (ft^2)	113.0973
SAMPLING RESULTS	
NOZZLE DIAMETER (in)	N/A
PITOT TUBE COEFFICIENT (C _p)	0.84
CONTROL BOX DELTA H STD	1.8788
DRY GAS METER CORRECTION FACTOR	0.9991
AVERAGE DELTA H (in H ₂ O)	0.750
AVG. SQRT DELTA P (in H ₂ O ^{1/2})	0.238724
AVG. METER TEMP. (F)	72.06
ELAPSED SAMPLING TIME (min)	64.00
METER VOLUME, UNCORR. (ft^3)	28.17
METER VOLUME, CORR. (ft^3)	28.15
METER VOLUME AT STD COND. (DSCF)	27.783
MOISTURE MEASURED BY WT. (g)	42.40
FLUE GAS PARAMETERS	
EXCESS OXYGEN (% DRY)	14.13
CO ₂ (% ACTUAL)	6.20
FLUE GAS TEMP (F)	1386.06
MOLECULAR WEIGHT, DRY	29.56
MOLECULAR WEIGHT, WET	28.78
FLUE GAS MOISTURE CONTENT (%)	6.71
FLUE GAS STATIC HEAD (in H ₂ O)	0.2
FLUE GAS STATIC HEAD (in Hg)	29.71
FLUE GAS FLOW RATE (DSCFM)	45289.42
FLUE GAS FLOW RATE (ACFM)	170913.54
AVG FLUE GAS VELOCITY (ft/sec)	25.19
PERCENT ISOKINETIC	N/A

**EPA METHOD 2 & 4
FLOW AND MOISTURE DETERMINATION**

COMPANY	Vopak Terminal
LOCATION	Deer Park, TX
UNIT TESTED	Marine Flare 702
FUEL PARAMETERS	
TYPE OF FUEL USED	Nat. Gas
TEST CONDITIONS	
TEST NUMBER	2
TEST DATE	3/3/2023
TEST SITE	Stack
UNIT LOAD	Full
BAROMETRIC PRESSURE (in Hg)	29.72
STACK HEIGHT (ft)	50.00
ADJ BAROMETRIC PRESSURE FOR HEIGHT (in	29.67
DUCT DIAMETER AT SAMPLING PLANE (in)	144.00
DUCT AREA AT SAMPLING PLANE (ft^2)	113.0973
SAMPLING RESULTS	
NOZZLE DIAMETER (in)	N/A
PITOT TUBE COEFFICIENT (C _p)	0.84
CONTROL BOX DELTA H STD	1.8788
DRY GAS METER CORRECTION FACTOR	0.9991
AVERAGE DELTA H (in H ₂ O)	0.750
AVG. SQRT DELTA P (in H ₂ O ^{1/2})	0.223607
AVG. METER TEMP. (F)	75.94
ELAPSED SAMPLING TIME (min)	1454.00
METER VOLUME, UNCORR. (ft^3)	28.830
METER VOLUME, CORR. (ft^3)	28.80
METER VOLUME AT STD COND. (DSCF)	28.20
MOISTURE MEASURED BY WT. (g)	60.6
FLUE GAS PARAMETERS	
EXCESS OXYGEN (% DRY)	14.12
CO ₂ (% ACTUAL)	6.10
FLUE GAS TEMP (F)	1217.9
MOLECULAR WEIGHT, DRY	29.54
MOLECULAR WEIGHT, WET	28.48
FLUE GAS MOISTURE CONTENT (%)	9.20
FLUE GAS STATIC HEAD (in H ₂ O)	0.2
FLUE GAS STATIC HEAD (in Hg)	29.68
FLUE GAS FLOW RATE (DSCFM)	43517.55
FLUE GAS FLOW RATE (ACFM)	153509.48
AVG FLUE GAS VELOCITY (ft/sec)	22.62
PERCENT ISOKINETIC	N/A

**EPA METHOD 2 & 4
FLOW AND MOISTURE DETERMINATION**

COMPANY	Vopak Terminal
LOCATION	Deer Park, TX
UNIT TESTED	Marine Flare 702
FUEL PARAMETERS	
TYPE OF FUEL USED	Nat. Gas
TEST CONDITIONS	
TEST NUMBER	3
TEST DATE	3/3/2023
TEST SITE	Stack
UNIT LOAD	Full
BAROMETRIC PRESSURE (in Hg)	29.72
STACK HEIGHT (ft)	50.00
ADJ BAROMETRIC PRESSURE FOR HEIGHT (in	29.67
DUCT DIAMETER AT SAMPLING PLANE (in)	144.00
DUCT AREA AT SAMPLING PLANE (ft^2)	113.0973
SAMPLING RESULTS	
NOZZLE DIAMETER (in)	N/A
PITOT TUBE COEFFICIENT (C _p)	0.84
CONTROL BOX DELTA H STD	1.8788
DRY GAS METER CORRECTION FACTOR	0.9991
AVERAGE DELTA H (in H ₂ O)	0.750
AVG. SQRT DELTA P (in H ₂ O ^{1/2})	0.151695
AVG. METER TEMP. (F)	76.813
ELAPSED SAMPLING TIME (min)	64
METER VOLUME, UNCORR. (ft^3)	29.1490
METER VOLUME, CORR. (ft^3)	29.1228
METER VOLUME AT STD COND. (DSCF)	28.4642
MOISTURE MEASURED BY WT. (g)	49.3
FLUE GAS PARAMETERS	
EXCESS OXYGEN (% DRY)	14.37
CO ₂ (% ACTUAL)	6.30
FLUE GAS TEMP (F)	1227.4
MOLECULAR WEIGHT, DRY	29.58
MOLECULAR WEIGHT, WET	28.71
FLUE GAS MOISTURE CONTENT (%)	7.55
FLUE GAS STATIC HEAD (in H ₂ O)	0.2
FLUE GAS STATIC HEAD (in Hg)	29.68
FLUE GAS FLOW RATE (DSCFM)	29853.60
FLUE GAS FLOW RATE (ACFM)	104018.72
AVG FLUE GAS VELOCITY (ft/sec)	15.33
PERCENT ISOKINETIC	N/A

From: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>
Sent: Thursday, October 10, 2024 11:07 AM
To: Tusar Swami; bridgette.bolls@vopak.com
Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024
Attachments: Vopak Deer Park SOP O1068 Renewal Update 2024-1010.pdf
Follow Up Flag: Follow up
Flag Status: Completed

Hi Tusar,

We are working on a response to your case-by-case PM question on 10/9 and will get back to you on that.

However, we would like to provide a response to your questions from 9/30. We have prepared an update to the renewal application with additional changes that are needed to the Title V permit. This PDF of the update is attached to this email. These updates should address your questions from 9/30.

Let us know if you have any further questions.
Thanks!

Kelley Oswalt
Senior Consultant
Trinity Consultants
512-693-4191 (office)

From: Tusar Swami
Sent: Wednesday, October 9, 2024 3:26 PM
To: bridgette.bolls@vopak.com
Cc: Kelley Oswalt ; John Walker
Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. - Respond by October 11, 2024

Bridgette:
Good Afternoon. As I informed earlier the case-by-case PM submitted earlier was under review. We request additional clarification/stack test data for Unit IDs FL-MARINE1, FL-MARINE2, and VC-1000, showing how the deviation limit (combustion temperature/exhaust gas temperature) correlates to a CO concentration in ppmvd less than the emission limit in 30 TAC Chapter 117 § 117.310(c)(1). Since (potentially) additional case-by-case periodic monitoring will be submitted for other units which is identical to what has been provided, please provide justification/stack test data for those units as well. I have copied John Walker our Periodic Monitoring Subject Matter Expert.

Sincerely,
Tusar Swami, P.E.

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

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



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

From: Tusar Swami

Sent: Monday, September 30, 2024 2:39 PM

To: bridgette.bolls@vopak.com

Cc: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>

Subject: RE: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc. -
Respond by October 11, 2024

Bridgette:

Good Afternoon. I have started the technical review for the above referenced permit. Need following things .

- (1) Unit IDs B-1, B-2 (OP-UA6. SOP Index VII-1) need additional periodic monitoring for 30 TAC Chapter 117, Subchapter B. Main Citation 117.310(c)(1) – Pollutant CO.
- (2) Unit ID T-803 – OP-UA3, SOP Index Y5 for 40 CFR Part 61, Main Citation [G]61.271(c) – Please review if one of the following PM options is suitable (PM-V-008, PM-V-029 and PM-V-030). Please note that the PM-V-029 and O30 go together.

If you are providing case-by-case PM please provide a rationale to support your proposal. We are in the process of reviewing the case-by-case PM for FL-MARINE1, FL-MARINE2 and VC-1000 for 30 TAC Chapter 117, Subchapter B (Pollutant CO).

- (3) Please submit the OP-PBR SUP (all 4 Tables). Make sure the information in OP-SUMR, OP-REQ1 and OP-PBR SUP are all consistent. If necessary you may submit other forms as needed.

Please respond by October 11, 2024. Thank you.

Sincerely,

Tusar Swami, P.E.

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

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



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

From: Tusar Swami

Sent: Friday, May 31, 2024 10:40 AM

To: bridgette.bolls@vopak.com

Cc: Kelley Oswalt <Kelley.Oswalt@trinityconsultants.com>

Subject: Technical Review -- FOP O1068/Project 36661, Vopak Terminal Deer Park, Inc.

Bridgette:

Good Morning. I have been assigned to the Federal Operating Permit (FOP) initial issuance/renewal/revision application of Permit No. O1068 for Vopak Terminal Deer Park, Inc.. This application has been assigned Project No.36661. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

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

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

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

Please notify me when these updates have been submitted.

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

Optional: Request any information that may have been noted as deficient or out-of-date during a preliminary project review (e.g. OP-1 with current contact data, current OP-REQ1, etc.), and include a deadline.

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

Sincerely,

Tusar Swami, P.E.

Texas Commission on Environmental Quality

OA/APD/Operating Permits Section

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

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

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

Email: tusar.swami@tceq.texas.gov



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

RENEWAL APPLICATION UPDATE

Site Operating Permit 01068

Vopak Terminal Deer Park, Inc.
Deer Park Terminal
CN601178734
RN100225093

Prepared By:

Kelley Oswalt – Senior Consultant
Heriberto Quintanilla, P.E. – Consultant

TRINITY CONSULTANTS

9737 Great Hills Trail
Suite 340
Austin, TX 78759
512-693-4191

October 2024

Project 244404.0308



TABLE OF CONTENTS

1. PROJECT INFORMATION	1-1
2. ADMINISTRATIVE FORMS	2-1
3. UNIT ATTRIBUTE FORMS	3-1
4. APPLICABLE REQUIREMENTS SUMMARY FORMS	4-1

1. PROJECT INFORMATION

Vopak Terminal Deer Park, Inc. (Vopak) owns and operates the Deer Park Terminal in Harris County, Texas. Facilities at the site are operated under Site Operating Permit (SOP) O1068. The purpose of this application is to provide updates to the renewal application to the SOP first submitted on 05/20/2024.

As part of updates, the following revisions are being requested:

- ▶ Form OP-PBRSUP is being submitted to include the latest units authorized by PBRs and latest issued PBR registrations.
- ▶ Update the pre-construction authorizations for various existing units as shown on OP-SUMR.
- ▶ Form OP-UA4, Table 1 is being submitted for group GRPTR to add new index numbers 115-3L for using vapor balancing for control and 115-4L for using carbon absorption systems (CAS). Form OP-UA4, Table 3 is being submitted to update the attributes in index number R-3L.
- ▶ Form OP-UA3, Table 3 for NSPS Kb is being submitted for group GRPTK5 to add index numbers 5-Kb1, 5-Kb2, and 5-Kb3 for using CAS for control. Form OP-UA3, Table 4 for 30 TAC Chapter 115, Storage of VOCs is being submitted to add new index numbers 5-V1 and 5-V2 for using CAS for control.
- ▶ A case-by-case OP-MON is being submitted for heater units B1 and B2 to add 30 TAC Chapter 117, Subchapter B Periodic Monitoring (PM) for CO.
- ▶ Ship dock unit ID SD-3/4/5 is being separated into individual unit IDs. Keep them in the same group GRPSD.
- ▶ Add tank unit T-800 to the permit and remove unit SC-800. Add barge dock unit BGD-7 to the permit and to group unit GRPBGD.
- ▶ Form OP-UA3 Table 3 for NSPS Kb is being submitted for tank unit T-806 to remove index numbers 4a-Kb1, 4a-Kb2, 4a-Kb3, 4-Kb1, 4-Kb2, and 4-Kb3, as well as add index numbers 5-Kb1, 5-Kb2, and 5-Kb3 to reflect that the tank does not use an IFR, but is controlled by CAS. Form OP-UA3, Tables 5 and 6 are being submitted to remove the index numbers R4 and R5, and Y3 and Y4, respectively, since the tank does not store gasoline or benzene.
- ▶ Form OP-UA3 Table 3 for NSPS Kb is being submitted for tank unit T-803 to replace index numbers 4-Kb1, 4-Kb2, and 4-Kb3 with 5-Kb1, 5-Kb2, and 5-Kb3. Form OP-UA3 Table 4 for 30 TAC Chapter 115, Storage of VOCs is being submitted to remove index numbers 4-V1 and 4-V2 and add index numbers 5-V1 and 5-V2 to reflect that the tank does not use an IFR, but is controlled by CAS. Form OP-UA3 Table 6 for 61Y is being submitted to remove the index numbers Y3, Y4, and Y5 since the tank does not store benzene.
- ▶ OP-REQ1 page 48 is being re-submitted to revise the site-wide applicability to MACT Y and form OP-UA4 Table 4 is being submitted to add MACT Y applicability to loading/unloading unit groups GRPBGD and GRPSD.
- ▶ Form OP-REQ1 page 88 has been updated to reflect the latest changes to the PBRs used by the site.

2. ADMINISTRATIVE FORMS

This section contains the following forms and information:

- ▶ OP-2 – Application for Permit Revision/Renewal
- ▶ OP-SUMR – Individual Unit Summary for Revisions
- ▶ OP-PBRSUP – Instructions Permits by Rule Supplemental Table

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

Date:	10/10/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093
Company Name:	Vopak Terminal Deer Park, Inc.

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

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
16	MS-C	N/A	N/A	OP-PBRSUP	N/A	Form OP-PBRSUP is being submitted to include the latest units authorized by PBRs and latest issued PBR registrations.
17	MS-C	NO	Various	OP-SUMR	Various	Update the pre-construction authorizations for various existing units as shown on OP-SUMR.
18	MS-C	NO	GRPTR	OP-UA4	N/A	Form OP-UA4, Table 1 is being submitted to add new index numbers 115-3L for using vapor balancing for control and 115-4L for using carbon absorption systems (CAS). Form OP-UA4, Table 3 is being submitted to update the attributes in index number R-3L.
19	MS-C	NO	GRPTK5	OP-UA3	N/A	Form OP-UA3, Table 3 for NSPS Kb is being submitted to add index numbers 5-Kb1, 5-Kb2, and 5-Kb3 for using CAS for control. Form OP-UA3, Table 4 for 30 TAC Chapter 115, Storage of VOCs is being submitted to add new index numbers 5-V1 and 5-V2 for using CAS for control.
20	MS-C	NO	B-1, B-2	OP-UA6	N/A	A case-by-case OP-MON is being submitted to add 30 TAC Chapter 117, Subchapter B Periodic Monitoring (PM) for CO.
21	MS-C	YES	SD-3, SD-4, SD-5	OP-UA4	N/A	Separate unit ID SD-3/4/5 into individual unit IDs. Keep them in the same group GRPSD.
22	MS-C	NO	SC-800	OP-UA15	N/A	Remove unit from permit.
23	MS-C	YES	T-800	OP-UA3	466A	Add tank unit to permit.
24	MS-C	NO	T-806	OP-UA3	N/A	Form OP-UA3 Table 3 for NSPS Kb is being submitted to remove index numbers 4a-Kb1, 4a-Kb2, 4a-Kb3, 4-Kb1, 4-Kb2, and 4-Kb3, as well as add index numbers 5-Kb1, 5-Kb2, and 5-Kb3 to reflect that the tank does not use an IFR, but is controlled by CAS. Form OP-UA3, Tables 5 and 6 are being submitted to remove the index numbers R4 and R5, and Y3 and Y4, respectively, since the tank does not store gasoline or benzene.

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

Date:	10/10/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093
Company Name:	Vopak Terminal Deer Park, Inc.

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

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
25	MS-C	NO	T-803	OP-UA3	N/A	Form OP-UA3 Table 3 for NSPS Kb is being submitted to replace index numbers 4-Kb1, 4-Kb2, and 4-Kb3 with 5-Kb1, 5-Kb2, and 5-Kb3. Form OP-UA3 Table 4 for 30 TAC Chapter 115, Storage of VOCs is being submitted to remove index numbers 4-V1 and 4-V2 and add index numbers 5-V1 and 5-V2 to reflect that the tank does not use an IFR, but is controlled by CAS. Form OP-UA3 Table 6 for 61Y is being submitted to remove the index numbers Y3, Y4, and Y5 since the tank does not store benzene.
26	MS-C	NO	GRPBGD, GRPSD	OP-REQ1 & OP-UA4	N/A	OP-REQ1 page 48 is being re-submitted to revise the site-wide applicability to MACT Y and form OP-UA4 Table 4 is being submitted to add MACT Y applicability to loading/unloading units.
27	MS-C	YES	BGD-7	OP-UA4	466A, 106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104]	Add barge dock unit to the permit and to group unit GRPBGD.

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.
10/10/2024	01068	RN100225093

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
	17	1000	OP-UA3	TANK 1000		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	
	17	1001	OP-UA3	TANK 1001		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	
	17	1002	OP-UA3	TANK 1002		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	
	17	1003	OP-UA3	TANK 1003		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	

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.
10/10/2024	01068	RN100225093

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
	17	1004	OP-UA3	TANK 1004		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	
	17	1005	OP-UA3	TANK 1005		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	
	17	1006	OP-UA3	TANK 1006		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	
	17	1007	OP-UA3	TANK 1007		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.476/09/04/2000 [141104], 106.478/09/04/2000 [141104]	

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.
10/10/2024	01068	RN100225093

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
	17	1008	OP-UA3	TANK 1008		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.478/09/04/2000 [141104]	
	17	1009	OP-UA3	TANK 1009		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.478/09/04/2000 [141104]	
	17	B-1	OP-UA6, OP-UA15	BOILER NO.1		466A, <u>106.261/11/01/2003</u> [167215]	
	17	B-2	OP-UA6, OP-UA15	BOILER NO.2		466A, <u>106.261/11/01/2003</u> [167215]	
	17	BGD-6	OP-UA4	BARGE DOCK NO.6		466A, <u>106.261/11/01/2003</u> [141104], <u>106.262/11/01/2003</u> [141104]	
A	27	BGD-7	OP-UA4	BARGE DOCK NO.7		466A, 106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104]	

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.
10/10/2024	01068	RN100225093

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
	17	FUG	OP-UA12	EQUIPMENT FUGITIVES		466A, <u>106.261/09/04/2000</u> <u>[50085].</u> 106.261/11/01/2003 <u>[77743, 141104,</u> <u>158759, 166608,</u> <u>168494, 168649],</u> <u>106.262/09/04/2000</u> <u>[50085].</u> 106.262/11/01/2003 <u>[141104, 158759,</u> <u>166608, 168494],</u> <u>106.472/09/04/2000</u> <u>[158759, 166608].</u> <u>106.478/09/04/2000</u> <u>[158759]</u>	
D	22	SC-800	OP-UA15	HMDI SCRUBBER		466A	
D	21	SD-3/4/5	OP-UA4	SHIP DOCK NO. 3/4/5		466A	
A	21	SD-3	OP-UA4	SHIP DOCK NO. 3		466A, 106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104]	
A	21	SD-4	OP-UA4	SHIP DOCK NO. 4		466A, 106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104]	

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.
10/10/2024	01068	RN100225093

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I
A	21	SD-5	OP-UA4	SHIP DOCK NO. 5		466A, 106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104]	
A	23	T-800	OP-UA3	TANK T-800		466A	
	17	T-817	OP-UA3	TANK T-817		466A, 169055 <u>106.478/09/04/2000</u> [168649]	
	17	T-917	OP-UA3	TANK T-917		466A, 106.478/03/14/1997 [40132]	
	17	T-929	OP-UA3	TANK T-929		466A <u>106.472/09/04/2000</u>	
	17	T-930	OP-UA3	TANK T-930		466A <u>106.472/09/04/2000</u>	
	17	TR-1	OP-UA4	TRUCK RAIL LOADING STATION NO. 1		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-2	OP-UA4	TRUCK RAIL LOADING STATION NO. 2		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-3	OP-UA4	TRUCK RAIL LOADING STATION NO. 3		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-4	OP-UA4	TRUCK RAIL LOADING STATION NO. 4		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-5	OP-UA4	TRUCK RAIL LOADING STATION NO. 5		466A, <u>106.261/11/01/2003</u> [168649]	

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.
10/10/2024	01068	RN100225093

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
	17	TR-6	OP-UA4	TRUCK RAIL LOADING STATION NO. 6		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-7	OP-UA4	TRUCK RAIL LOADING STATION NO. 7		466A, 169601 <u>106.261/11/01/2003</u> [168649]	
	17	TR-8	OP-UA4	TRUCK RAIL LOADING STATION NO. 8		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-9	OP-UA4	TRUCK RAIL LOADING STATION NO. 9		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-10	OP-UA4	TRUCK RAIL LOADING STATION NO. 10		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-11	OP-UA4	TRUCK RAIL LOADING STATION NO. 11		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-12	OP-UA4	TRUCK RAIL LOADING STATION NO. 12		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-13	OP-UA4	TRUCK RAIL LOADING STATION NO. 13		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-14	OP-UA4	TRUCK RAIL LOADING STATION NO. 14		466A_ <u>106.261/11/01/2003</u> [168649]	
	17	TR-15	OP-UA4	TRUCK RAIL LOADING STATION NO. 15		466A_ <u>106.261/11/01/2003</u> [168649]	

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.
10/10/2024	01068	RN100225093

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
	17	TR-16	OP-UA4	TRUCK RAIL LOADING STATION NO. 16		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-17	OP-UA4	TRUCK RAIL LOADING STATION NO. 17		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-18	OP-UA4	TRUCK RAIL LOADING STATION NO. 18		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-19	OP-UA4	TRUCK RAIL LOADING STATION NO. 19		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-20	OP-UA4	TRUCK RAIL LOADING STATION NO. 20		466A, <u>106.261/11/01/2003</u> [168649]	
	17	TR-22	OP-UA4	TRUCK RAIL LOADING STATION NO. 22		466A, 169601 <u>106.261/11/01/2003</u> [168649]	
	17	TR-23	OP-UA4	TANK TRUCK LOADING		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.472/09/04/2000 [141104]	
	17	VC-1000	OP-UA35	VAPOR COMBUSTOR		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104]	

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

Table 2

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
20	SD-3, SD-4, SD-5	OP-UA04	A	GRPSD
27	BGD-7	OP-UA04	A	GRPBGD

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

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	Registration No.	PBR No.	Registration Date
T-917	40132	106.478	1/18/1999
FUG	50085	106.261, 106.262	3/1/2002
FUG	77743	106.261	3/10/2006
1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007	141104	106.261, 106.262, 106.476, 106.478	10/16/2020
1008, 1009	141104	106.261, 106.262, 106.478	10/16/2020
MSS, MSSATM	141104	106.263	10/16/2020
TR-23	141104	106.261, 106.262, 106.472	10/16/2020
FL-MARINE1, FL-MARINE2	141104	106.261, 106.262	10/16/2020
VC-1000	141104	106.261, 106.262	10/16/2020
SD-3, SD-4, SD-5, BGD-7	141104	106.261, 106.262	10/16/2020
BGD-6	141104	106.261, 106.262	10/16/2020
FUG	141104	106.261, 106.262	10/16/2020
MSS-PIPCLN	149179	106.263	11/27/2017
T-714, T-715, T-716, T-717	158759	106.472	10/18/2019
T-718, T-310, T-931	158759	106.261, 106.262, 106.472, 106.478	10/18/2019
FL-900	158759	106.261, 106.262, 106.472	10/18/2019
FL-MARINE1	158759	106.261, 106.262, 106.472	10/18/2019
FUG	158759	106.261, 106.262, 106.472, 106.478	10/18/2019
T-714, T-715, T-716, T-717	166608	106.472	10/15/2021
T-718, T-310, T-931	166608	106.472, 106.478	10/15/2021
FL-900	166608	106.261, 106.262, 106.472	10/15/2021
FL-MARINE1, FL-MARINE2	166608	106.261, 106.262, 106.472	10/15/2021
FUG	166608	106.261, 106.262, 106.472	10/15/2021
B-1, B-2	167215	106.261	12/13/2021
FL-MARINE1, FL-MARINE2	168492	106.261	6/10/2022
FUG	168494	106.261, 106.262	5/6/2022
CAS817	168649	106.261, 106.478	5/25/2022
T-817	168649	106.478	5/25/2022
TR-1, TR-2, TR-3, TR-4, TR-5, TR-6, TR-7, TR-8, TR-9, TR-10, TR-11, TR-12, TR-13, TR-14, TR-15, TR-16, TR-17, TR-18, TR-19, TR-20, TR-22	168649	106.261	5/25/2022

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

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	Registration No.	PBR No.	Registration Date
FUG	168649	106.261	5/25/2022

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

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	PBR No.	Version No./Date
P-910	106.511	9/4/2000
P-300	106.511	9/4/2000
Refrigeration Units	106.373	3/14/1997
Gasoline Fueling	106.412	3/14/1997
Diesel Fueling	106.412	3/14/1997
Diesel Tanks	106.478	9/4/2000

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 3)

Table C: Claimed (not registered) Permits By Rule (30 TAC Chapter 106) for Insignificant Sources for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

PBR No.	Version No./Date
106.102	09/04/2000

**Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 4)**

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-917	106.478	40132	The tank is monitored according to Special Conditions Nos. 17, 34, and 35 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.
FUG	106.261, 106.262	50085	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
FUG	106.261	77743	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007	106.261, 106.262, 106.476, 106.478	141104	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored as detailed in the PBR registration application submitted on 07/14/2020 (CFR online content ID 5424570). Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for floating roof tanks to demonstrate compliance with the limits in the PBR registration.
1008, 1009	106.261, 106.262, 106.478	141104	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored as detailed in the PBR registration application submitted on 07/14/2020 (CFR online content ID 5424570). Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for floating roof tanks to demonstrate compliance with the limits in the PBR registration.
MSS, MSSATM	106.263	141104	Keep records on-site of the type and reason for MSS activity, the processes and equipment involved; date, time, and duration of the activity or facility operation; and the air contaminants and amounts which are emitted as a result of the activity or facility operation per 106.263(g)(1)-(4). MSS emissions are recorded by the end of the month following the month during which the MSS activity occurred; these emissions are summed monthly, and the rolling 12-month emissions record is updated on a monthly basis to demonstrate compliance with the limits in 106.4 and 106.263(f). Calculated emissions are kept on-site.
TR-23	106.261, 106.262, 106.472	141104	Keep annual records of product throughput as detailed in the PBR registration application submitted on 07/14/2020 (CFR online content ID 5424570). The throughput is used with the loading loss calculated from Equation 1 from AP-42, Section 5.2 to calculate emissions.

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 4)

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
FL-MARINE1, FL-MARINE2	106.261, 106.262	141104	The VCU's are monitored according to the Special Condition No. 44 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, and the frequency of monitoring to determine compliance with the limits in the PBR registration.
VC-1000	106.261, 106.262	141104	Keep weekly records of combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. Ensure it does not fall below 1,400°F or the temperature determined by the most recent stack test.
SD-3, SD-4, SD-5, BGD-7	106.261, 106.262	141104	The docks are monitored according to the Special Conditions Nos. 34, 36, 41 and 42 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.
BGD-6	106.261, 106.262	141104	The docks are monitored according to the Special Conditions Nos. 34 and 36 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.
FUG	106.261, 106.262	141104	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
MSS-PIPCLN	106.263	149179	Keep records on-site of the type and reason for MSS activity, the processes and equipment involved; date, time, and duration of the activity or facility operation; and the air contaminants and amounts which are emitted as a result of the activity or facility operation per 106.263(g)(1)-(4). MSS emissions are recorded by the end of the month following the month during which the MSS activity occurred; these emissions are summed monthly, and the rolling 12-month emissions record is updated on a monthly basis to demonstrate compliance with the limits in 106.4 and 106.263(f). Calculated emissions are kept on-site.
T-714, T-715, T-716, T-717	106.472	158759	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored as detailed in the PBR registration application submitted on 10/08/2019 (CFR online content ID 4352748). Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for fixed roof tanks to demonstrate compliance with the limits in the PBR registration.

**Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 4)**

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
T-718, T-310, T-931	106.261, 106.262, 106.472, 106.478	158759	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored as detailed in the PBR registration application submitted on 10/08/2019 (CFR online content ID 4352748). Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for floating roof tanks to demonstrate compliance with the limits in the PBR registration.
FL-900	106.261, 106.262, 106.472	158759	The flare is monitored according to the Special Condition No. 11 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.
FL-MARINE1	106.261, 106.262, 106.472	158759	The VCU is monitored according to the Special Condition No. 44 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, and the frequency of monitoring to determine compliance with the limits in the PBR registration.
FUG	106.261, 106.262, 106.472, 106.478	158759	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
T-714, T-715, T-716, T-717	106.472	166608	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored as detailed in the PBR registration application submitted on 09/09/2021 (CFR online content ID 5804635). Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for fixed roof tanks to demonstrate compliance with the limits in the PBR registration.
T-718, T-310, T-931	106.472, 106.478	166608	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored as detailed in the PBR registration application submitted on 09/09/2021 (CFR online content ID 5804635). Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for floating roof tanks to demonstrate compliance with the limits in the PBR registration.
FL-900	106.261, 106.262, 106.472	166608	The flare is monitored according to the Special Condition No. 11 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.

**Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 4)**

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
FL-MARINE1, FL-MARINE2	106.261, 106.262, 106.472	166608	The VCU's are monitored according to the Special Condition No. 44 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, and the frequency of monitoring to determine compliance with the limits in the PBR registration.
FUG	106.261, 106.262, 106.472	166608	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
B-1, B-2	106.261	167215	The boilers are monitored according to the Special Condition No. 16 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, and the frequency of monitoring to determine compliance with the limits in the PBR registration.
FL-MARINE1, FL-MARINE2	106.261	168492	The VCU's are monitored according to the Special Condition No. 44 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, and the frequency of monitoring to determine compliance with the limits in the PBR registration.
FUG	106.261, 106.262	168494	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
CAS817	106.261, 106.478	168649	Carbon canisters are monitored for breakthrough during each loading activity in accordance with 40 CFR Part 60 Appendix A, Method 21. The maximum breakthrough concentration is determined when the exhaust concentration reaches 50 ppmv.
T-817	106.478	168649	The tank is monitored according to Special Conditions Nos. 17, 34, and 35 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.
TR-1, TR-2, TR-3, TR-4, TR-5, TR-6, TR-7, TR-8, TR-9, TR-10, TR-11, TR-12, TR-13, TR-14, TR-15, TR-16, TR-17, TR-18, TR-19, TR-20, TR-22	106.261	168649	The truck loading racks are monitored according to Special Conditions Nos. 17, 19, 34, and 35 of NSR Permit No 466A issued on 09/14/2022 (CFR online content ID 6269725). The requirements in the permit specify the parameters monitored and recorded, the frequency of monitoring, and the calculations performed to determine compliance with the limits in the PBR registration.

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 4)

Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area

Date	Permit Number	Regulated Entity Number	Area Name
10/10/2024	01068	RN100225093	Vopak Terminal Deer Park

Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
FUG	106.261	168649	Emissions from fugitive component leaks are minimized through the 28MID Leak Detection and Repair program as detailed in the Special Condition No. 6 of NSR Permit No. 466A issued on 09/14/2022 (CFR online content ID 6269725). The LDAR requirements in the permit specify the parameter monitored and the frequency of monitoring.
P-910	106.511	9/4/2000	Keep records of operating hours and associated operating service on an annual basis.
P-300	106.511	9/4/2000	Keep records of operating hours and associated operating service on an annual basis.
Refrigeration Units	106.373	3/14/1997	Keep annual records of refrigerant category.
Gasoline Fueling	106.412	3/14/1997	Keep records of gallons/year of fuel dispensing. Compare the actual fuel dispensed to the maximum gallons/year used to calculate PTE emissions using AP-42, Fifth Edition, Volume I Chapter 5.2 equations and emission factors to demonstrate compliance with the limits in 106.4.
Diesel Fueling	106.412	3/14/1997	Keep records of gallons/year of fuel dispensing. Compare the actual fuel dispensed to the maximum gallons/year used to calculate PTE emissions using AP-42, Fifth Edition, Volume I Chapter 5.2 equations and emission factors to demonstrate compliance with the limits in 106.4.
Diesel Tanks	106.478	9/4/2000	Keep annual records of the throughput, tank capacity, liquids stored, and true vapor pressure of liquids stored. Use this data to calculate emissions using AP-42, Fifth Edition, Volume I Chapter 7 equations for fixed roof tanks to demonstrate compliance with the limits in the PBR registration.

3. UNIT ATTRIBUTE FORMS

This section contains the following Unit Attribute Forms:

- ▶ OP-UA1 – Miscellaneous and Generic Unit Attributes
- ▶ OP-UA3 – Storage Tank Vessel Attributes
- ▶ OP-UA4 – Loading/Unloading Operations Attributes

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

Date:	10/10/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093

Unit ID No.	SOP/GOP Index No.	Unit Type	Date Constructed/Placed in Service	Functionally Identical Replacement	Maximum Rated Capacity	Technical Information and Unit Description
T-800	1-63EEEE	EU				Storage tank storing organic liquids that is part of organic liquid distribution (OLD) operations is subject to 40 CFR part 63, Subpart EEEE.

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.
10/10/2024	01068	RN100225093

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.
GRPTK5	5-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	CVS-CD				CAS817
GRPTK5	5-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	CVS-CD				CAS817
GRPTK5	5-Kb3	VOL	40K+	NONE	0.75-11.1	CVS-CD				CAS817
T-800	1a-Kb1	PTLQ-3	40K+	NONE	0.5-					
T-800	1a-Kb2	PTCD-AF3	40K+	NONE	0.5-					
T-800	1a-Kb3	VOL	40K+	NONE	0.5-					
T-800	1-Kb1	PTLQ-3	40K+	NONE	0.5-0.75	NONE3				
T-800	1-Kb2	PTCD-AF3	40K+	NONE	0.5-0.75	NONE3				
T-800	1-Kb3	VOL	40K+	NONE	0.5-0.75	NONE3				
T-800	5-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	CVS-CD				CAS800
T-800	5-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	CVS-CD				CAS800
T-800	5-Kb3	VOL	40K+	NONE	0.75-11.1	CVS-CD				CAS800
T-803	4-Kb1 5-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	CVS-CD				
T-803	4-Kb2 5-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	CVS-CD				
T-803	4-Kb3 5-Kb3	VOL	40K+	NONE	0.75-11.1	CVS-CD				
T-806	4a-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	IFR-SL				
T-806	4a-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-SL				
T-806	4a-Kb3	VOL	40K+	NONE	0.75-11.1	IFR-SL				
T-806	4-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	IFR-MT				
T-806	4-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-MT				
T-806	4-Kb3	VOL	40K+	NONE	0.75-11.1	IFR-MT				
T-806	5-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	CVS-CD				WFECAS-1
T-806	5-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	CVS-CD				WFECAS-1
T-806	5-Kb3	VOL	40K+	NONE	0.75-11.1	CVS-CD				WFECAS-1

Storage Tank/Vessel Attributes

Form OP-UA3 (Page 4)

Federal Operating Permit Program

Table 4a: 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.
10/10/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPTK5	5-V1	NO		OIL1	B40K+			
GRPTK5	5-V2	NO		VOC1	A40K+			
T-800	1a-V1	NO		OIL1	B40K+			
T-800	1a-V2	NO		VOC1	A40K+			
T-800	1-V1	NO		OIL1	B40K+			
T-800	1-V2	NO		VOC1	A40K+			
T-800	5-V1	NO		OIL1	B40K+			
T-800	5-V2	NO		VOC1	A40K+			
T-803	4-V1	NO		OIL1	B40K+			
T-803	4-V2	NO		VOC1	A40K+			
T-803	5-V1	NO		OIL1	B40K+			
T-803	5-V2	NO		VOC1	A40K+			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program
Table 4b: 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.
10/10/2024	01068	RN100225093

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.
GRPTK5	5-V1		VRS1	1.5+A			CARADS	CAS817
GRPTK5	5-V2		VRS1	1.5+A			CARADS	CAS817
T-800	1a-V1		NONE1	1-				
T-800	1a-V2		NONE1	1-				
T-800	1-V1		NONE1	1-1.5				
T-800	1-V2		NONE1	1-1.5				
T-800	5-V1		VRS1	1.5+A			CARADS	CAS800
T-800	5-V2		VRS1	1.5+A			CARADS	CAS800
T-803	4-V1		IFR1	1.5+A				
T-803	4-V2		IFR1	1.5+A				
T-803	5-V1		VRS1	1.5+A			CARADS	
T-803	5-V2		VRS1	1.5+A			CARADS	

Storage Tank/Vessel Attributes

Form OP-UA3 (Page 6)

Federal Operating Permit Program

Table 5: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart R: National Emission Standards for Gasoline Distribution

Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Storage Capacity	Alternative Means of Emission Limitation	AMEL ID No.	Storage Vessel Description	AMOC ID No.	Control Device ID No.	Subject to NSPS Kb	EFR Not Meeting §63.423(a) Requirements
T-806	R4	20K+	NO		IFR-SL			YES	
T-806	R5	20K+	NO		IFR-MT			YES	

Storage Tank/Vessel Attributes

Form OP-UA3 (Page 7)

Federal Operating Permit Program

Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

Subpart Y: National Emission Standards for Benzene Emissions from Benzene Storage Vessels

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Tank Type	Storage Capacity	Stringency	Alternate Means of Emission Limitation	AMEL ID No.	Tank Description	Control Device Type	Control Device ID No.
T-806	Y3	BENZ	10K+	YES	NO		IFR2		
T-806	Y4	BENZ	10K+	YES	NO		IFRSH		
T-803	Y3	BENZ	10K+	YES	NO		IFR2		
T-803	Y4	BENZ	10K+	YES	NO		IFRSH		
T-803	Y5	BENZ	10K+	YES	NO		CVS	OTH	

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 1)

Federal Operating Permit Program

Table 1a: 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

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 Throughput	Control Options
GRPTR	115-3L	OTHER	NONE		VOC1	BOTH	0.5+	20K+	BAL
GRPTR	115-4L	OTHER	NONE		VOC1	BOTH	0.5+	20K+	CON

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 2)

Federal Operating Permit Program

Table 1b: 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

Unit ID No.	SOP/GOP 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
GRPTR	115-3L	NONE		NO				
GRPTR	115-4L	CRBADS	CAS800, CAS817, CAS-7, CAS-22	NO				

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 4)

Federal Operating Permit Program

Table 3: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart R: National Emission Standards for Gasoline Distribution Facilities

Date	10/10/2024	Regulated Entity No.
10/10/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Vapor Processing System	Subpart R Control Device Type	Subpart R Control Device ID No.
GRPTR	R-3L	YES NO	FLARE	FL-600, FL-900

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 5)

Federal Operating Permit Program

Table 4a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart Y: National Emission Standards for Marine Vessel Loading Operations

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Subpart Y Facility Type	Ballasting Operations	Vapor Pressure	Subpart BB Applicability	Material Loaded	HAP Impurities Only	Source Emissions	Throughput
GRPBGD	Y-1	EXON	NO	10-					
GRPBGD	Y-2	EXON	NO	10+	YES				
GRPBGD	Y-3	EXON	NO	10+	NO	OTHER	NO	1025+	
GRPSD	Y-1	EXON	NO	10-					
GRPSD	Y-2	EXON	NO	10+	YES				
GRPSD	Y-3	EXON	NO	10+	NO	OTHER	NO	1025+	

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 6)

Federal Operating Permit Program

Table 4b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart Y: National Emission Standards for Marine Vessel Loading Operations

Date	Permit No.	Regulated Entity No.
10/10/2024	01068	RN100225093

Unit ID No.	SOP Index No.	CEMS	Vapor Balancing System	Documenting Vapor Tightness	Subpart Y Control Device Type	Subpart Y Control Device ID No.	Performance Test	Alt. Monitoring	Alt. Test Procedure	Vent Stream Bypass	Bypass Flow Indicator
GRPBGD	Y-1										
GRPBGD	Y-2										
GRPBGD	Y-3	NO	NO	YES	COMB	FL-MARINE1, FL-MARINE2	BLPERF	NO	NO	NO	
GRPSD	Y-1										
GRPSD	Y-2										
GRPSD	Y-3	NO	NO	YES	COMB	FL-MARINE1, FL-MARINE2	BLPERF	NO	NO	NO	

4. APPLICABLE REQUIREMENTS SUMMARY FORMS

This section contains the following forms and information:

- ▶ Form OP-REQ1 – Application Area-Wide Applicability Determinations and General Information
- ▶ Form OP-REQ3 – Applicable Requirements Summary
- ▶ Form OP-MON – Monitoring Requirements

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

Date:	10/10/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	10/10/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 87			
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)			
E. PSD Permits and PSD Major Pollutants			
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
F. Nonattainment (NA) Permits and NA Major Pollutants			
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
G. NSR Authorizations with FCAA § 112(g) Requirements			
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
◆ H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area			
Authorization No.: 466A	Issuance Date: 09/14/2022	Authorization No.:	Issuance Date:
Authorization No.: 169055	Issuance Date: 05/24/2022	Authorization No.:	Issuance Date:
Authorization No.: 169601	Issuance Date: 09/06/2022	Authorization No.:	Issuance Date:
Authorization No.:	Issuance Date:	Authorization No.:	Issuance Date:

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

Date:	10/10/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
◆ I. Permits by Rule (30 TAC Chapter 106) for the Application Area	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR No.: <u>106.261</u>	Version No./Date: <u>09/04/2000</u>
PBR No.: 106.261	Version No./Date: 11/01/2003
PBR No.: <u>106.262</u>	Version No./Date: <u>09/04/2000</u>
PBR No.: 106.262	Version No./Date: 11/01/2003
PBR No.: 106.263	Version No./Date: 11/01/2001
PBR No.: 106.373	Version No./Date: 03/14/1997
PBR No.: 106.412	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.476	Version No./Date: 09/04/2000
PBR No.: 106.478	Version No./Date: 03/14/1997
PBR No.: 106.478	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997 <u>09/04/2000</u>
PBR No.: 14	Version No./Date: 11/05/1986
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
◆ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

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

Table 1a: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
18	GRPTR	OP-UA4	115-3L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.212(a)(1) §115.212(a)(1)(B) §115.212(a)(2) §115.212(a)(3)(A) §115.212(a)(3)(A)(ii) §115.212(a)(3)(B) [G]§115.212(a)(3)(C), (a)(3)(D), (a)(3)(E) §115.214(a)(1)(B), (a)(1)(C)
18	GRPTR	OP-UA4	115-4L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.212(a)(1) §115.212(a)(1)(A) §115.212(a)(2) §115.212(a)(3)(A) §115.212(a)(3)(A)(ii) §115.212(a)(3)(B) [G]§115.212(a)(3)(C), (a)(3)(D), (a)(3)(E) §115.214(a)(1)(B), (a)(1)(C)
18	GRPTR	OP-UA4	R-3L	TOC	40 CFR Part 63, Subpart R	§63.422(a) §60.502(a), (d), (g)-(i) §63.11(b) §63.422(b), (e), (e)(1)-(2) §63.427(b)
19	GRPTK5	OP-UA3	5-Kb1	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
19	GRPTK5	OP-UA3	5-Kb2	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: O1068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
18	GRPTR	115-3L	VOC	§115.212(a)(3)(B) §115.214(a)(1)(A) §115.214(a)(1)(A)(i)-(iii) §115.215, (1), [G](2), (4), (9), (10)	§115.216, (2), (3)(A), (3)(A)(i) §115.216(3)(A)(ii), (3)(A)(iii) §115.216(3)(B)	None
18	GRPTR	115-4L	VOC	§115.212(a)(3)(B) §115.214(a)(1)(A) §115.214(a)(1)(A)(i)-(iii) §115.215, (1), [G](2), (4), (9), (10) §115.216(1) §115.216(1)(A), (1)(A)(iii)	§115.216, (1), (1)(A), (1)(A)(iii) §115.216(2), (3)(A), (3)(A)(i) §115.216(3)(A)(ii), (3)(A)(iii) §115.216(3)(B)	None
18	GRPTR	R-3L	TOC	§60.503(a)-(b) §60.503(d), (d)(1)-(2) §63.425(a), (a)(1), (a)(1)(i)-(iii), (a)(2) §63.425(b), (b)(1)-(3), (c) §63.427(a), (a)(4), (b)	§60.503(d)(2) §63.425(b)(1), (c) §63.428(c)(1)-(2), (c)(2)(i) [G]§63.428(c)(2)(ii), [G](k)	§63.428(c)(2), (c)(2)(i), [G](c)(2)(ii) §63.428(h)(1), [G](k)
19	GRPTK5	5-Kb1	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
19	GRPTK5	5-Kb2	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b

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

Table 1a: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
19	GRPTK5	OP-UA3	5-Kb3	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
19	GRPTK5	OP-UA3	5-V1	VOC	30 TAC Chapter 115, Storage of VOCs	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(A) §115.112(e)(3)(A)(ii)
19	GRPTK5	OP-UA3	5-V2	VOC	30 TAC Chapter 115, Storage of VOCs	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(A) §115.112(e)(3)(A)(ii)
23	T-800	OP-UA3	1-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)
23	T-800	OP-UA3	1-Kb2	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)
23	T-800	OP-UA3	1-Kb3	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)
23	T-800	OP-UA3	5-Kb1	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
19	GRPTK5	5-Kb3	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1), [G](e)(3) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
19	GRPTK5	5-V1	VOC	§115.115(a), (a)(3), (a)(3)(B) §115.116(a)(1) [G]§115.117	§115.118(a)(4), (a)(4)(C), (a)(4)(C)(ii) §115.118(a)(5), (a)(7)	None
19	GRPTK5	5-V2	VOC	§115.115(a), (a)(3), (a)(3)(B) §115.116(a)(1) [G]§115.117	§115.118(a)(4), (a)(4)(C), (a)(4)(C)(ii) §115.118(a)(5), (a)(7)	None
23	T-800	1-Kb1	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
23	T-800	1-Kb2	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
23	T-800	1-Kb3	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1), [G](e)(3)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
23	T-800	5-Kb1	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b

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

Table 1a: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
23	T-800	OP-UA3	5-Kb2	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
23	T-800	OP-UA3	5-Kb3	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
23	T-800	OP-UA3	1a-V1	VOC	30 TAC Chapter 115, Storage of VOCs	§115.111(a)(1)
23	T-800	OP-UA3	1a-V2	VOC	30 TAC Chapter 115, Storage of VOCs	§115.111(a)(1)
23	T-800	OP-UA3	1-V1	VOC	30 TAC Chapter 115, Storage of VOCs	§115.111(a)(1)
23	T-800	OP-UA3	1-V2	VOC	30 TAC Chapter 115, Storage of VOCs	§115.111(a)(1)
23	T-800	OP-UA3	5-V1	VOC	30 TAC Chapter 115, Storage of VOCs	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(A) §115.112(e)(3)(A)(ii)
23	T-800	OP-UA3	5-V2	VOC	30 TAC Chapter 115, Storage of VOCs	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(A) §115.112(e)(3)(A)(ii)
23	T-800	OP-UA3	1-63EEEE	112(B) HAPs	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
23	T-800	5-Kb2	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
23	T-800	5-Kb3	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1), [G](e)(3) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
23	T-800	1a-V1	VOC	[G]§115.117	§115.118(a)(1), (a)(5), (a)(6)(A), (a)(7)	None
23	T-800	1a-V2	VOC	[G]§115.117	§115.118(a)(1), (a)(5), (a)(6)(A), (a)(7)	None
23	T-800	1-V1	VOC	[G]§115.117	§115.118(a)(1), (a)(5), (a)(6)(A), (a)(7)	None
23	T-800	1-V2	VOC	[G]§115.117	§115.118(a)(1), (a)(5), (a)(6)(A), (a)(7)	None
23	T-800	5-V1	VOC	§115.115(a), (a)(3), (a)(3)(B) §115.116(a)(1) [G]§115.117	§115.118(a)(4), (a)(4)(C), (a)(4)(C)(ii) §115.118(a)(5), (a)(7)	None
23	T-800	5-V2	VOC	§115.115(a), (a)(3), (a)(3)(B) §115.116(a)(1) [G]§115.117	§115.118(a)(4), (a)(4)(C), (a)(4)(C)(ii) §115.118(a)(5), (a)(7)	None
23	T-800	1-63EEEE	112(B) HAPs	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE

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

Table 1a: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
24	T-806	OP-UA3	5-Kb1	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
24	T-806	OP-UA3	5-Kb2	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
24	T-806	OP-UA3	5-Kb3	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
25	T-803	OP-UA3	5-V1	VOC	30 TAC Chapter 115, Storage of VOCs	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(A) §115.112(e)(3)(A)(ii)
25	T-803	OP-UA3	5-V2	VOC	30 TAC Chapter 115, Storage of VOCs	§115.112(e)(1) §115.112(e)(3) §115.112(e)(3)(A) §115.112(e)(3)(A)(ii)
26	GRPBGD	OP-UA4	Y-3	112(B) HAPs	40 CFR Part 63, Subpart Y	§63.562(b) [G]§63.562(b)(1), (b)(2), [G](b)(6), (e), (e)(1) [G]§63.562(e)(2)-(3), (e)(4)-(6) §63.562(e)(7), [G](e)(7)(i), (e)(7)(ii) §63.563(a)(2), (a)(3)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: O1068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
24	T-806	5-Kb1	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
24	T-806	5-Kb2	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
24	T-806	5-Kb3	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1), [G](e)(3) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
25	T-803	5-V1	VOC	§115.115(a), (a)(3), (a)(3)(B) §115.116(a)(1) [G]§115.117	§115.118(a)(4), (a)(4)(C), (a)(4)(C)(ii) §115.118(a)(5), (a)(7)	None
25	T-803	5-V2	VOC	§115.115(a), (a)(3), (a)(3)(B) §115.116(a)(1) [G]§115.117	§115.118(a)(4), (a)(4)(C), (a)(4)(C)(ii) §115.118(a)(5), (a)(7)	None
26	GRPBGD	Y-3	112(B) HAPs	[G]§63.562(b)(6) [G]§63.562(e)(7)(i), (e)(7)(ii) §63.563(b), (b)(1) §63.563(b)(3), (b)(4), (b)(4)(ii) §63.563(b)(10), [G](c) §63.564(a)(2)-(4), (c), (e)(2), (e)(4) [G]§63.565(b), [G](d), (f), (f)(1), (l)	[G]§63.562(b)(6) §63.562(e)(5) [G]§63.562(e)(7)(i), (e)(7)(ii) §63.564(e)(2) [G]§63.565(d) §63.567(f), [G](g), (j)(1)-(2), [G](k)	[G]§63.562(b)(6) §63.562(e)(7)(ii) [G]§63.567(b)(2) §63.567(b)(3), [G](b)(4), (b)(5)(ii) §63.567(c), (e)(1), [G](e)(2) §63.567(e)(3)-(6), (f), (j)(3) §63.567(m), (n)(1)-(2)

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
26	GRPSD	OP-UA4	Y-3	112(B) HAPs	40 CFR Part 63, Subpart Y	§63.562(b) [G]§63.562(b)(1), (b)(2), [G](b)(6), (e), (e)(1) [G]§63.562(e)(2)-(3), (e)(4)-(6) §63.562(e)(7), [G](e)(7)(i), (e)(7)(ii) §63.563(a)(2), (a)(3)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: O1068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
26	GRPSD	Y-3	112(B) HAPs	[G]§63.562(b)(6) [G]§63.562(e)(7)(i), (e)(7)(ii) §63.563(b), (b)(1) §63.563(b)(3), (b)(4), (b)(4)(ii) §63.563(b)(10), [G](c) §63.564(a)(2)-(4), (c), (e)(2), (e)(4) [G]§63.565(b), [G](d), (f), (f)(1), (l)	[G]§63.562(b)(6) §63.562(e)(5) [G]§63.562(e)(7)(i), (e)(7)(ii) §63.564(e)(2) [G]§63.565(d) §63.567(f), [G](g), (j)(1)-(2), [G](k)	[G]§63.562(b)(6) §63.562(e)(7)(ii) [G]§63.567(b)(2) §63.567(b)(3), [G](b)(4), (b)(5)(ii) §63.567(c), (e)(1), [G](e)(2) §63.567(e)(3)-(6), (f), (j)(3) §63.567(m), (n)(1)-(2)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
24	T-806	OP-UA3	4a-Kb1	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)
24	T-806	OP-UA3	4a-Kb2	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)
24	T-806	OP-UA3	4a-Kb3	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
24	T-806	4a-Kb1	VOC	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
24	T-806	4a-Kb2	VOC	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
24	T-806	4a-Kb3	VOC	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
24	T-806	OP-UA3	4-Kb1	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)
24	T-806	OP-UA3	4-Kb2	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)
24	T-806	OP-UA3	4-Kb3	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
24	T-806	4-Kb1	VOC	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
24	T-806	4-Kb2	VOC	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
24	T-806	4-Kb3	VOC	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
24	T-806	OP-UA3	R4	TOC	40 CFR Part 63, Subpart R	§ 63.423(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)
24	T-806	OP-UA3	R5	TOC	40 CFR Part 63, Subpart R	§ 63.423(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
24	T-806	R4	TOC	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.425(d) § 63.427(c)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(c) § 63.427(c) § 63.428(d)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 60.116b(d) § 63.428(d) § 63.428(g) § 63.428(g)(2)
24	T-806	R5	TOC	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.425(d) § 63.427(c)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(c) § 63.427(c) § 63.428(d)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 60.116b(d) § 63.428(d) § 63.428(g) § 63.428(g)(2)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
24	T-806	OP-UA3	Y3	Benzene	40 CFR Part 61, Subpart Y	§ 61.271(a) § 61.271(a)(1) § 61.271(a)(2) § 61.271(a)(2)(ii) § 61.271(a)(3) § 61.271(a)(4) [G]§ 61.271(a)(5) § 61.271(a)(6) [G]§ 61.271(d) § 61.272(a)(3)(ii)
24	T-806	OP-UA3	Y4	Benzene	40 CFR Part 61, Subpart Y	§ 61.271(a) § 61.271(a)(1) § 61.271(a)(2) § 61.271(a)(2)(iii) § 61.271(a)(3) § 61.271(a)(4) [G]§ 61.271(a)(5) § 61.271(a)(6) [G]§ 61.271(d) § 61.272(a)(3)(ii)
25	T-803	OP-UA3	4-V1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 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 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
24	T-806	Y3	Benzene	§ 61.272(a)(1) § 61.272(a)(2) § 61.272(a)(3) § 61.272(a)(3)(ii) [G]§ 61.272(a)(4)	§ 61.276(a) § 61.276(b)	§ 61.272(a)(2) § 61.272(a)(3)(i) § 61.274(a) [G]§ 61.275(a) [G]§ 61.275(b) § 61.275(c)
24	T-806	Y4	Benzene	§ 61.272(a)(1) § 61.272(a)(2) § 61.272(a)(3) § 61.272(a)(3)(ii)	§ 61.276(a) § 61.276(b)	§ 61.272(a)(2) § 61.272(a)(3)(i) § 61.274(a) [G]§ 61.275(a) [G]§ 61.275(b) § 61.275(c)
25	T-803	4-V1	VOC	§ 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) § 115.118(a)(3)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
25	T-803	OP-UA3	4-V2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 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)
25	T-803	OP-UA3	Y3	Benzene	40 CFR Part 61, Subpart Y	§ 61.271(a) § 61.271(a)(1) § 61.271(a)(2) § 61.271(a)(2)(ii) § 61.271(a)(3) § 61.271(a)(4) [G]§ 61.271(a)(5) § 61.271(a)(6) [G]§ 61.271(d) § 61.272(a)(3)(ii)
25	T-803	OP-UA3	Y4	Benzene	40 CFR Part 61, Subpart Y	§ 61.271(a) § 61.271(a)(1) § 61.271(a)(2) § 61.271(a)(2)(iii) § 61.271(a)(3) § 61.271(a)(4) [G]§ 61.271(a)(5) § 61.271(a)(6) [G]§ 61.271(d) § 61.272(a)(3)(ii)

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
25	T-803	4-V2	VOC	§ 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) § 115.118(a)(3)
25	T-803	Y3	Benzene	§ 61.272(a)(1) § 61.272(a)(2) § 61.272(a)(3) § 61.272(a)(3)(ii) [G]§ 61.272(a)(4)	§ 61.276(a) § 61.276(b)	§ 61.272(a)(2) § 61.272(a)(3)(i) § 61.274(a) [G]§ 61.275(a) [G]§ 61.275(b) § 61.275(c)
25	T-803	Y4	Benzene	§ 61.272(a)(1) § 61.272(a)(2) § 61.272(a)(3) § 61.272(a)(3)(ii)	§ 61.276(a) § 61.276(b)	§ 61.272(a)(2) § 61.272(a)(3)(i) § 61.274(a) [G]§ 61.275(a) [G]§ 61.275(b) § 61.275(c)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
25	T-803	OP-UA3	Y5	Benzene	40 CFR Part 61, Subpart Y	[G]§ 61.271(c) [G]§ 61.242-11(f) [G]§ 61.242-11(g) § 61.242-11(h) § 61.242-11(i) [G]§ 61.242-11(j) [G]§ 61.242-11(k) § 61.242-11(m) [G]§ 61.271(d)

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 10/10/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
25	T-803	Y5	Benzene	[G]§ 61.242-11(f) [G]§ 61.245(c) § 61.272(c)(2) ** See Periodic Monitoring Summary	[G]§ 61.242-11(l) § 61.276(a) § 61.276(b) [G]§ 61.276(c)	[G]§ 61.272(c)(1) § 61.274(a) [G]§ 61.275(e)

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

I. Identifying Information		
Account No.: HG-0629-I	RN No.: RN100225093	CN: CN601178734
Permit No.: O1068	Project No.: 36661	
Area Name: Vopak Terminal Deer Park		
Company Name: Vopak Terminal Deer Park, Inc.		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 20		
Unit/EPN/Group/Process ID No.: B-1, B-2		
Applicable Form: OP-UA6		
III. Applicable Regulatory Requirement		
Name: 30 TAC 117 Subchapter B		
SOP/GOP Index No.: VII-1		
Pollutant: CO		
Main Standard: 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Maximum CO concentration of 400 ppmv at 3.0% O₂, dry basis		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: CO Concentration	Minimum Frequency: Annually	
Averaging Period: N/A		

I. Identifying Information

Periodic Monitoring Text: Conduct monitoring annually following methods prescribed in §117.8120(2), as applicable. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent (measurements may be either on a dry or wet basis, as long as it is the same basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.

Basis of Monitoring:

It is widely practiced and accepted to calibrate and use a portable analyzer to measure CO concentration with procedures such as EPA Test Method 10 or a CO CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that a control device such as a catalytic converter is not functioning properly, or an emission unit is not obtaining complete combustion.

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

I. Identifying Information		
Account No.: HG-0629-I	RN No.: RN100225093	CN: CN601178734
Permit No: O1068	Project No.: TBD	
Area Name: Vopak Terminal Deer Park		
Company Name: Vopak Terminal Deer Park, Inc.		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 4, 5, 6		
Unit/EPN/Group/Process ID No.: FL-MARINE1, FL-MARINE2, VC-1000		
Applicable Form: OP-UA35		
III. Applicable Regulatory Requirement		
Name: 30 TAC 117 Subchapter B		
SOP/GOP Index No.: 117-1		
Pollutant: CO		
Main Standard: 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: It shall be considered a deviation if combustion temperature falls below 1400°F or the temperature determined by the most recent stack test.		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Combustion Temperature / Exhaust Gas Temperature	Minimum Frequency: once per week	

I. Identifying Information
Averaging Period: N/A
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. Establish a minimum combustion temperature using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.

Basis of Monitoring:
 It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.

CO emissions result from incomplete combustion in a vapor combustor. This can occur if the device runs at fuel-rich conditions or if the flame zone temperature is depressed. These same conditions would also result in a reduced VOC DRE. For a device which functions both as a combustion device and as a thermal VOC control device, VOC DRE and in-stack CO concentration are reasonable surrogates for each other. Attached is a technical reference illustrating how CO and unburned HC emissions in gasoline engines trend together as the air:fuel ratio is reduced. The same dynamic would apply for a vapor combustor.

Based on these considerations, the most appropriate periodic monitoring for CO should be the same monitoring requirements that apply for VOC DRE.

Steven Piper

From: eNotice TCEQ
Sent: Thursday, May 23, 2024 10:10 AM
To: carol.alvarado@senate.texas.gov; Jaime.Villarreal@senate.texas.gov;
megan.maldonado@senate.texas.gov; Maryann.perez@house.texas.gov
Subject: TCEQ Notice - Permit Number O1068
Attachments: TCEQ Notice - O1068_36661.pdf

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

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

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

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

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 23, 2024

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

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36661
Permit Number: O1068
Vopak Terminal Deer Park, Inc.
Vopak Terminal Deer Park
Deer Park, Harris County
Regulated Entity Number: RN100225093
Customer Reference Number: CN601178734

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=-95.090833,29.743611&level=13>.

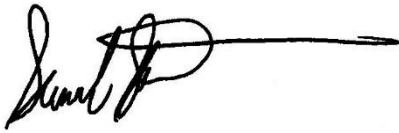
The FOP program regulates both new and existing major sources of emissions. The goal of the program is to improve air quality in Texas through increased compliance by codifying existing applicable regulatory requirements into the FOP. The FOP provides the applicant authorization to operate the equipment 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
May 23, 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

May 23, 2024

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

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 36661
Permit Number: O1068
Vopak Terminal Deer Park, Inc.
Vopak Terminal Deer Park
Deer Park, Harris County
Regulated Entity Number: RN100225093
Customer Reference Number: CN601178734

Dear Representative Perez:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.090833,29.743611&level=13>.

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

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

Sincerely,

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

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

Steven Piper

From: Bridgette Bolls <bridgette.bolls@vopak.com>
Sent: Thursday, May 23, 2024 5:57 AM
To: Steven Piper
Subject: Re: [EXTERNAL] VOPAK DEER PARK TERMINAL

Good morning Steven,
Please see below..

Thanks

Mr. Gustavo Nery
2759 Independence Parkway South
Deer Park, TX 77536

On Wed, May 22, 2024 at 1:52 PM Steven Piper <Steven.Piper@tceq.texas.gov> wrote:

Ms. Bolls,

We noticed you and Mr. Nery's address is not valid in the USPS database. Can you provide an valid address?

Thanks,

Steven Piper

License and Permit Specialist 3

Air Permits Division, MC 161

Office of Air

Texas Commission on Environmental Quality

Phone: (512) 239-1589

Fax: (512) 239-4500

E-mail: steven.piper@tceq.texas.gov

Web site: www.tceq.texas.gov

Please consider whether it is necessary to print this e-mail

How is our customer service?

Fill out our customer satisfaction survey at www.tceq.texas.gov/customersurvey



--
Bridgette Bolls | Environmental
Specialist | T: +12816046065 | M: +12816385417 | E: bridgette.bolls@vopak.com
Vopak Americas - Deer Park | 2759 Independence Parkway South, La Porte TX 77536, United
States | www.vopak.com

This message is intended solely for use by the recipient(s) and others authorized to receive it by sender and may contain confidential information. If you are not the intended recipient of this message, please delete this message including any attachments and notify the sender immediately.

Texas Commission on Environmental Quality

Title V Existing

1068

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	VOPAK TERMINAL DEER PARK
County	HARRIS
Latitude (N) (##.#####)	29.743611
Longitude (W) (-###.#####)	95.090833
Primary SIC Code	4226
Secondary SIC Code	
Primary NAICS Code	493110
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100225093
What is the name of the Regulated Entity (RE)?	VOPAK TERMINAL DEER PARK
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	2759 INDEPENDENCE PKWY
City	DEER PARK
State	TX
ZIP	77536
County	HARRIS
Latitude (N) (##.#####)	29.62
Longitude (W) (-###.#####)	-95.046666
Facility NAICS Code	
What is the primary business of this entity?	COMMERCIAL WASTE DISPOSAL FACILITY

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN601178734
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Vopak Terminal Deer Park Inc.
Texas SOS Filing Number	800119305
Federal Tax ID	741593222
State Franchise Tax ID	17415932221
State Sales Tax ID	
Local Tax ID	
DUNS Number	83560672
Number of Employees	251-500
Independently Owned and Operated?	No

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Vopak Terminal Deer Park Inc
Prefix	MR
First	Gustavo
Middle	
Last	Nery
Suffix	
Credentials	
Title	Site Director Southern Region
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2759 Independence Parkway South
Routing (such as Mail Code, Dept., or Attn:)	
City	Deer Park
State	TX
ZIP	77536
Phone (###-###-####)	2819792852
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	gustavo.nery@vopak.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application

Select existing DAR contact or enter a new contact.	New Contact
Organization Name	Vopak Terminal Deer Park Inc
Prefix	MS
First	Bridgette
Middle	
Last	Bolls
Suffix	
Credentials	
Title	Environmental Specialist
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2759 Independence Parkway South
Routing (such as Mail Code, Dept., or Attn:)	
City	Deer Park
State	TX
Zip	77536
Phone (###-###-####)	2816046065
Extension	
Alternate Phone (###-###-####)	

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

E-mail

bridgette.bolls@vopak.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

Vopak Terminal Deer Park Inc

Prefix

MS

First

Bridgette

Middle

Last

Bolls

Suffix

Credentials

Title

Environmental Specialist

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

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

2759 Independence Parkway South

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

City

Deer Park

State

TX

ZIP

77536

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

2816046065

Extension

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

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

E-mail

bridgette.bolls@vopak.com

Title V General Information - Existing

1) Permit Type:

SOP

2) Permit Latitude Coordinate:

29 Deg 44 Min 37 Sec

3) Permit Longitude Coordinate:

95 Deg 5 Min 27 Sec

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

New Application

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

Renewal

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

No

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

No

5) Who will electronically sign this Title V application?

Duly Authorized Representative

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

No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

Attach OP-SUMR (Individual Unit Summary for Revisions)

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	Vopak Deer Park O1068 Renewal Application 2024_0517.pdf
Hash	011298B3045632384D81D62A28666FE788F5DC5360B929F1829EACB3C6432B30
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 Bridgette D Bolls, the owner of the STEERS account ER015862.
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 1068.
- 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: Bridgette D Bolls OWNER OPERATOR

Account Number:	ER015862
Signature IP Address:	165.225.36.109
Signature Date:	2024-05-20
Signature Hash:	1313B841E1EF201AFAA3DA6725982A131B90A3AF75786024E1AB799BBFED0A41
Form Hash Code at time of Signature:	91EAA974F1E5181BF80B90BCD948F917D9A22FBCF8992889397C5AC08F9F707F

Submission

Reference Number:	The application reference number is 648427
Submitted by:	The application was submitted by ER015862/Bridgette D Bolls
Submitted Timestamp:	The application was submitted on 2024-05-20 at 11:52:52 CDT
Submitted From:	The application was submitted from IP address 165.225.36.109
Confirmation Number:	The confirmation number is 541137
Steers Version:	The STEERS version is 6.74
Permit Number:	The permit number is 1068

Additional Information

Application Creator:	This account was created by Kelley Oswalt
----------------------	---

RENEWAL APPLICATION

Site Operating Permit 01068

Vopak Terminal Deer Park, Inc.
Deer Park Terminal
CN601178734
RN100225093

Prepared By:

Kelley Oswalt – Senior Consultant
Heriberto Quintanilla, P.E. – Consultant

TRINITY CONSULTANTS

9737 Great Hills Trail
Suite 340
Austin, TX 78759
512-693-4191

May 2024

Project 244404.0308



TABLE OF CONTENTS

1. PROJECT INFORMATION	1-1
2. ADMINISTRATIVE FORMS	2-1
3. UNIT ATTRIBUTE FORMS	3-1
4. APPLICABLE REQUIREMENTS SUMMARY FORMS	4-1

1. PROJECT INFORMATION

Vopak Terminal Deer Park, Inc. (Vopak) owns and operates the Deer Park Terminal in Harris County, Texas. Facilities at the site are operated under Site Operating Permit (SOP) O1068. The purpose of this application is to renew the SOP.

As part of this renewal application, the following revisions are being requested:

- ▶ Update the RO and DAR at the site.
- ▶ Add the following new units and their applicable requirements: P-910, P-300, VC-1000, T-310, T-714, T-715, T-716, T-717, T-718, and T-931.
- ▶ Remove engine NO1FWPUM from the permit.
- ▶ Update the unit description and add VCU requirements to FL-MARINE1 and FL-MARINE2. Since the FL-MARINE1 and FL-MARINE2 operate as VCU's when controlling marine loading activities, the control device type has been updated on form OP-UA04, Table 1 for 30 TAC Chapter 115, Loading and Unloading of VOCs and Table 5 for 40 CFR Part 61, Subpart BB for GRPBGD and GRPSD.
- ▶ Incorporate the revisions done by OP-Notify projects 30097 and 32600, which include adding the aforementioned engines and tanks as well as incorporate PBR registration 158759 to other existing units.
- ▶ Form OP-UA04, Table 1 for 30 TAC Chapter 115, Loading and Unloading of VOCs is being submitted since TCEQ has made updates to the form since the last time it was submitted for these units. In Table 1, marine facility types that both load and unload product now have a separate index number for loading and unloading. This revision involves GRPBGD and GRPSD.
- ▶ Combine several index numbers where the only difference is the control device ID as shown on OP-UA4. This revision involves GRPBGD, GRPDM, GRPSD, and GRPTR.
- ▶ Add MACT DDDDD requirements to boilers B-1 and B-2.
- ▶ Form OP-UA03, Table 3 for 40 CFR Part 60 Subpart Kb is being submitted since TCEQ has made updates to the form since the last time it was submitted for these units. This revision involves GRPTK10, GRPTK11, GRPTK5, GRPTK7, GRPTK8, GRPTK9, T-803, and T-806.
- ▶ Form OP-REQ1 has been updated to reflect the latest changes to the site-wide terms and conditions.

2. ADMINISTRATIVE FORMS

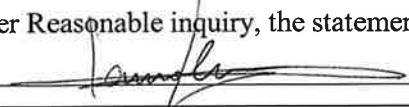
This section contains the following forms and information:

- ▶ OP-CRO2 – Change of Responsible Official Information
- ▶ OP-DEL – Delegation of Responsible Official Information
- ▶ OP-ACPS – Application Compliance Plant and Schedule
- ▶ OP-1 – Site Information Summary
- ▶ OP-2 – Application for Permit Revision/Renewal
- ▶ OP-SUMR – Individual Unit Summary for Revisions

Please note an OP-PBRSUP form is not included at this time. An OP-PBRSUP form will be submitted when this permit renewal is in active technical review and prior to public notice to enable the form to be as up to date as possible.

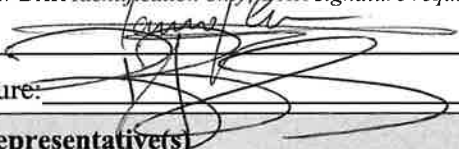
Form OP-CRO2
Change of Responsible Official Information
Federal Operating Permit Program

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

I. Identifying Information		
Account No.: HG-0629-I	RN: RN100225093	CN: CN601178734
Permit No.: O1068	Area Name: Vopak Terminal Deer Park	
Company Name: Vopak Terminal Deer Park, Inc.		
II. Change Type		
Action Type:	☒ New Appointment	☐ Administrative Information Change
Contact Type (<i>only one response can be accepted per form</i>):		
☒ Responsible Official	☐ Designated Representative	☐ Alternate Designated Representative
III. Responsible Official/Designated Representative/Alternate Designated Representative Information		
Conventional Title: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
Name: Gustavo Nery		
Title: Site Director Southern Region	Appointment Effective Date: 5/1/2024	
Telephone No.: (281) 979-2852	Fax No.:	
Company Name: Vopak Terminal Deer Park, Inc.		
Mailing Address: 2759 Independence Parkway South		
City: Deer Park	State: Texas	ZIP Code: 77536
E-mail Address: gustavo.nery@vopak.com		
IV. Certification of Truth, Accuracy, and Completeness		
This certification does not extend to information, which is designated by the TCEQ as information for reference only.		
I, <u>Gustavo Nery</u> , certify that, based on information		
(Name printed or typed)		
and belief formed after Reasonable inquiry, the statements and information stated above are true, accurate, and complete.		
Signature: 		Signature Date: <u>5.14.24</u>

Texas Commission on Environmental Quality
Form OP-DEL
Delegation of Responsible Official Information
Federal Operating Permit Program

A Responsible Official (RO) may choose to delegate signature authority to a Duly Authorized Representative (DAR). Such delegation may be made to an individual that has responsibility for the overall operation of one or more manufacturing, production, or operating facilities applying for, or subject to, a federal operating permit. **Send this completed form to the TCEQ Central Office to the attention of the Air Permits Division.** Signature stamps can be accepted in place of an original signature. Faxes, photocopies, and electronic submittals can be accepted in place of an original Form OP-DEL; however, a follow-up submittal of the original Form OP-DEL is requested

I. Identifying Information		
Account No.: HG-0629-I	RN: RN100225093	CN: CN601178734
Permit No.: O1068	Area Name: Vopak Terminal Deer Park	
Company Name: Vopak Terminal Deer Park, Inc.		
II. Duly Authorized Representative Information		
Action Type: ☒ New DAR Identification ☐ Administrative Information Change		
Conventional Title: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.)		
Name: Bridgette Bolls		
Title: Environmental Specialist	Delegation Effective Date: 5/1/2024	
Telephone No.: (281) 604-6065	Fax No.:	
Company Name: Vopak Terminal Deer Park, Inc.		
Mailing Address: 2759 Independence Parkway South		
City: Deer Park	State: Texas	ZIP Code: 77536
E-mail Address: bridgette.bolls@vopak.com		
III. Certification of Truth, Accuracy, and Completeness		
I, <u>Gustavo Nery</u> , certify that, based on <i>(Name printed or typed: RO for New DAR Identification; RO or DAR for Administrative Information Change)</i> information and belief formed after reasonable inquiry, the statements, and information stated above are true, accurate, and complete. <i>(RO signature required for New DAR Identification only; DAR signature required for any Action Type)</i>		
Responsible Official Signature: 		Date: <u>5.14.24</u>
Duly Authorized Representative Signature: 		Date: <u>5.14.24</u>
IV. Removal of Duly Authorized Representative(s)		
The following should be removed as Duly Authorized Representative(s):		
<u>Jimmy Ritter</u> <i>(Name(s) printed or typed)</i>		Effective Date: <u>5/1/2024</u>
Responsible Official Signature: 		Date: <u>5.14.24</u>

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

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: O1068
Company Name: Vopak Terminal Deer Park, Inc.		Area Name: Vopak Terminal Deer Park

- Part 1 of this form must be submitted with all initial FOP applications and renewal applications.
- The Responsible Official must use Form OP-CRO1 (Certification by Responsible Official) to certify information contained in this form in accordance with 30 TAC § 122.132(d)(8).

Part 1

A. Compliance Plan — Future Activity Committal Statement	
The <i>Responsible Official</i> commits, utilizing reasonable effort, to the following: As the responsible official it is my intent that all emission units shall continue to be in compliance with all applicable requirements they are currently in compliance with, and all emission units shall be in compliance by the compliance dates with any applicable requirements that become effective during the permit term.	
B. Compliance Certification - Statement for Units in Compliance* (Indicate response by entering an "X" in the appropriate column)	
1. With the exception of those emission units listed in the Compliance Schedule section of this form (Part 2, below), and based, at minimum, on the compliance method specified in the associated applicable requirements, are all emission units addressed in this application in compliance with all their respective applicable requirements as identified in this application?	☒ YES ☐ NO
2. Are there any non-compliance situations addressed in the Compliance Schedule Section of this form (Part 2)?	☐ YES ☒ NO
3. If the response to Item B.2, above, is "Yes," indicate the total number of Part 2 attachments included in this submittal. <i>(For reference only)</i>	
* For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status. For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122. Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.	

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

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250 or to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I. Company Identifying Information
A. Company Name: Vopak Terminal Deer Park, Inc.
B. Customer Reference Number (CN): CN601178734
C. Submittal Date (mm/dd/yyyy): 05/17/2024
II. Site Information
A. Site Name: Vopak Deer Park Terminal
B. Regulated Entity Reference Number (RN): RN100225093
C. Indicate affected state(s) required to review permit application: <i>(Check the appropriate box[es].)</i>
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A
D. Indicate all pollutants for which the site is a major source based on the site's potential to emit: <i>(Check the appropriate box[es].)</i>
☒ VOC ☒ NO _x ☐ SO ₂ ☐ PM ₁₀ ☐ CO ☐ Pb ☒ HAPS
Other:
E. Is the site a non-major source subject to the Federal Operating Permit Program? ☐ YES ☒ NO
F. Is the site within a local program area jurisdiction? ☒ YES ☐ NO
G. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ YES ☒ NO
H. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III. Permit Type
A. Type of Permit Requested: <i>(Select only one response)</i>
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)

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

IV. Initial Application Information <i>(Complete for Initial Issuance Applications Only.)</i>
A. Is this submittal an abbreviated or a full application? ☐ Abbreviated ☐ Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application? ☐ YES ☐ NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit? ☐ YES ☐ NO
D. Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.) ☐ YES ☐ NO
E. Has the required Public Involvement Plan been included with this application? ☐ YES ☐ NO
V. Confidential Information
A. Is confidential information submitted in conjunction with this application? ☐ YES ☒ NO
VI. Responsible Official (RO) Identifying Information
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
RO Full Name: Gustavo Nery
RO Title: Site Director Southern Region
Employer Name: Vopak Terminal Deer Park, Inc.
Mailing Address: 2759 Independence Parkway South
City: Deer Park
State: Texas
ZIP Code: 77536
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (281) 979-2852
Fax No.:
Email: gustavo.nery@vopak.com

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

VII. Technical Contact Identifying Information <i>(Complete if different from RO.)</i>
Technical Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.)
Technical Contact Full Name: Bridgette Bolls
Technical Contact Title: Environmental Specialist
Employer Name: Vopak Terminal Deer Park, Inc.
Mailing Address: 2759 Independence Parkway South
City: Deer Park
State: Texas
ZIP Code: 77536
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (281) 604-6065
Fax No.:
Email: bridgette.bolls@vopak.com
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator: Carol Alvarado, District 6
B. State Representative: Mary Ann Perez, District 144
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)? ☒ YES ☐ NO ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322? ☒ YES ☐ NO
E. Indicate the alternate language(s) in which public notice is required: Spanish

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

IX. Off-Site Permit Request <i>(Optional for applicants requesting to hold the FOP and records at an off-site location.)</i>
A. Office/Facility Name:
B. Physical Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
C. Physical Location:
D. Contact Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name:
E. Telephone No.:
X. Application Area Information
A. Area Name: Vopak Terminal Deer Park
B. Physical Address: 2759 Independence Parkway South
City: Deer Park
State: Texas
ZIP Code: 77536
C. Physical Location:
D. Nearest City:
E. State:
F. ZIP Code:

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

X. Application Area Information (continued)
G. Latitude (nearest second): 29° 44' 37"
H. Longitude (nearest second): 95° 5' 27"
I. Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ YES ☒ NO
J. Indicate the estimated number of emission units in the application area: 390
K. Are there any emission units in the application area subject to the Acid Rain Program? ☐ YES ☒ NO
XI. Public Notice (Complete this section for SOP Applications and Acid Rain Permit Applications only.)
A. Name of a public place to view application and draft permit: Deer Park Public Library
B. Physical Address: 3009 Center St
City: Deer Park
ZIP Code: 77536
C. Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☐ Mr. ☐ Mrs. ☒ Ms. ☐ Dr.):
Contact Person Full Name: Bridgette Bolles
Contact Mailing Address: 2759 Independence Parkway South
City: Deer Park
State: Texas
ZIP Code: 77536
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.: (281) 604-6065

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

XII. Delinquent Fees and Penalties

Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."

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

XIII. Designated Representative (DR) Identifying Information

DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)

DR Full Name:

DR Title:

Employer Name:

Mailing Address:

City:

State:

ZIP Code:

Territory:

Country:

Foreign Postal Code:

Internal Mail Code:

Telephone No.:

Fax No.:

Email:

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

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

XIV. Alternate Designated Representative (ADR) Identifying Information

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

ADR Full Name:

ADR Title:

Employer Name:

Mailing Address:

City:

State:

ZIP Code:

Territory:

Country:

Foreign Postal Code:

Internal Mail Code:

Telephone No.:

Fax No.:

Email:

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

Date:	05/17/2024														
Permit No.:	01068														
Regulated Entity No.:	RN100225093														
Company Name:	Vopak Terminal Deer Park, Inc.														
For Submissions to EPA															
Has an electronic copy of this application been submitted (or is being submitted) to EPA?										x	YES		NO		
I. Application Type															
Indicate the type of application:															
x	Renewal														
	Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)														
	Significant Revision														
	Revision Requesting Prior Approval														
	Administrative Revision														
	Response to Reopening														
II. Qualification Statement															
For SOP Revisions Only											YES		NO		
For GOP Revisions Only											YES		NO		
III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)															
Indicate all pollutants for which the site is a major source based on the site's potential to emit:															
<i>(Check the appropriate box[es].)</i>															
x	VOC	x	NO _x		SO ₂		PM ₁₀		CO		Pb	x	HAPs		
Other:															
IV. Reference Only Requirements <i>(For reference only)</i>															
Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?										x	YES		NO		N/A
V. Delinquent Fees and Penalties															
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.															

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

Date:	05/17/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093
Company Name:	Vopak Terminal Deer Park, Inc.

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

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-C	YES	P-910	OP-UA2	106.511/09/04/2000	Add engine to permit.
2	MS-C	NO	NO1FWPUM	OP-UA2	106.511/03/14/1997	Remove engine from permit.
3	MS-C	YES	P-300	OP-UA2	106.511/03/14/1997	Add engine to permit.
4	MS-C	NO	FL-MARINE1	OP-UA7, OP-UA35	466A	Update the description of the unit as shown on OP-SUMR and update applicability to include VCU requirements.
5	MS-C	NO	FL-MARINE2	OP-UA7, OP-UA35	466A	Update the description of the unit as shown on OP-SUMR and update applicability to include VCU requirements.
6	MS-C	YES	VC-1000	OP-UA35	141104	Add vapor combustor to permit.
7	MS-C	YES	T-310, T-714, T-715, T-716, T-717, T-718, T-931	OP-UA3	158759	Incorporate tanks added through the OP-Notify project 32600 and its applicable requirements.
8	MS-C	NO	FL-900	OP-UA7	158759	Incorporate PBR registration 158759 as a pre-construction authorization for existing units.
9	MS-C	NO	FL-MARINE1	OP-UA7, OP-UA35	158759	Incorporate PBR registration 158759 as a pre-construction authorization for existing units.
10	MS-C	NO	FUG	OP-UA12	158759	Incorporate PBR registration 158759 as a pre-construction authorization for existing unit.
11	MS-C	NO	GRPBGD, GRPSD	OP-UA4	466A	Form OP-UA04, Table 1 for 30 TAC Chapter 115, Loading and Unloading of VOCs is being submitted since TCEQ has made updates to the form since the last time it was submitted for these units. In Table 1, marine facility types that both load and unload product now have a separate index number for loading and unloading. In addition, the control device type was updated in Table 1 and Table 5 for 40 CFR Part 61, Subpart BB.
12	MS-C	NO	GRPBGD, GRPDM, GRPSD, GRPTR	OP-UA4	NA	Combine several index numbers where the only difference is the control device ID as shown on OP-UA4.
13	MS-C	NO	B-1, B-2	OP-UA6	466A	Add MACT DDDDD requirements to the units.

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

Date:	05/17/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093
Company Name:	Vopak Terminal Deer Park, Inc.

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

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
14	MS-C	NO	GRPTK10, GRPTK11, GRPTK5, GRPTK7, GRPTK8, GRPTK9, T-803, T-806	OP-UA03	466A	Form OP-UA03, Table 3 for 40 CFR Part 60 Subpart Kb is being submitted since TCEQ has made updates to the form since the last time it was submitted for these units.
15	MS-C	N/A	N/A	OP-REQ1	N/A	Form OP-REQ1 has been updated to reflect the latest changes to the site-wide terms and conditions.

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.
05/17/2024	01068	RN100225093

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I
D	2	NO1FWPUM	OP-UA2	NO 1 EMERG FIREWATER PUMP ENGINE		106.511/03/14/1997	
A	1	P-910	OP-UA2	Emergency Engine		106.511/09/04/2000	
A	3	P-300	OP-UA2	Emergency Engine		106.511/09/04/2000	
A	7	T-310	OP-UA3	TANK T-310		106.261/11/01/2003 [158759], 106.262/11/01/2003 [158759], 106.472/09/04/2000 [158759, 166608], 106.478/09/04/2000 [158759, 166608]	
A	7	T-714	OP-UA3	TANK T-714		106.472/09/04/2000 [158759, 166608]	
A	7	T-715	OP-UA3	TANK T-715		106.472/09/04/2000 [158759, 166608]	
A	7	T-716	OP-UA3	TANK T-716		106.472/09/04/2000 [158759, 166608]	
A	7	T-717	OP-UA3	TANK T-717		106.472/09/04/2000 [158759, 166608]	
A	7	T-718	OP-UA3	TANK T-718		106.261/11/01/2003 [158759], 106.262/11/01/2003 [158759], 106.472/09/04/2000 [158759, 166608], 106.478/09/04/2000 [158759, 166608]	

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.
05/17/2024	01068	RN100225093

Unit/Process AI	Unit/Process Revision No.	Unit/Process ID No.	Unit/Process Applicable Form	Unit/Process Name/Description	Unit/Process CAM	Preconstruction Authorizations 30 TAC Chapter 116/30 TAC Chapter 106	Preconstruction Authorizations Title I
A	7	T-931	OP-UA3	TANK T-931		106.261/11/01/2003 [158759], 106.262/11/01/2003 [158759], 106.472/09/04/2000 [158759, 166608], 106.478/09/04/2000 [158759, 166608]	
A	6	VC-1000	OP-UA35	Vapor Combustor		106.261/11/01/2003 [141104], 106.262/11/01/2003 [141104], 106.263/11/01/2001 [141104]	
	8	FL-900	OP-UA7	LAND FLARE NO. 900		466A_ <u>106.261/11/01/2003</u> <u>[158759, 166608].</u> <u>106.262/11/01/2003</u> <u>[158759, 166608].</u> <u>106.472/09/04/2000</u> <u>[158759, 166608]</u>	
	4, 9	FL-MARINE1	OP-UA7, OP-UA35	MARINE FLARE/VCU NO. 1		466A_ <u>106.261/11/01/2003</u> <u>[141104, 158759,</u> <u>166608, 168492].</u> <u>106.262/11/01/2003</u> <u>[141104, 158759,</u> <u>166608].</u> <u>106.472/09/04/2000</u> <u>[158759, 166608]</u>	

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.
05/17/2024	01068	RN100225093

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
	5	FL-MARINE2	OP-UA7, OP-UA35	MARINE FLARE/VCU NO. 2		466A, <u>106.261/11/01/2003</u> <u>[141104, 166608,</u> <u>168492]</u> , <u>106.262/11/01/2003</u> <u>[141104, 166608]</u> , <u>106.472/09/04/2000</u> <u>[166608]</u>	
	10	FUG	OP-UA12	EQUIPMENT FUGITIVES		466A, <u>106.261/11/01/2003</u> <u>[77743, 141104,</u> <u>158759, 166608,</u> <u>168494, 168649]</u> , <u>106.262/11/01/2003</u> <u>[141104, 158759,</u> <u>166608, 168494]</u> , <u>106.472/09/04/2000</u> <u>[158759, 166608]</u> , <u>106.478/09/04/2000</u> <u>[158759]</u>	

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

Table 2

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
7	T-714, T-715, T-716, T-717	OP-UA03	A	GRPTK12
7	T-310, T-718, T-931	OP-UA03	A	GRPTK5

3. UNIT ATTRIBUTE FORMS

This section contains the following Unit Attribute Forms:

- ▶ OP-UA2 – Stationary Reciprocating Internal Combustion Engine Attributes
- ▶ OP-UA3 – Storage Tank Vessel Attributes
- ▶ OP-UA4 – Loading/Unloading Operations Attributes
- ▶ OP-UA6 – Boiler/Steam Generator/Steam Generating Unit Attributes
- ▶ OP-UA35 – Incinerator Attributes

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 1)

Federal Operating Permit Program

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

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

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Horsepower Rating	RACT Date Placed in Service	Functionally Identical Replacement	Type of Service	Fuel Fired	Engine Type	ESAD Date Placed in Service	Diesel HP Rating
P-910	117-1				D2001+				
P-300	117-1				D2001+				

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 4)

Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
P-910	63ZZZZ-1	MAJOR	500+	06+		EMER-A	
P-300	63ZZZZ-1	MAJOR	300-500	06+		EMER-A	

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 10)

Federal Operating Permit Program

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

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

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Applicability Date	Exemptions	Service	Commencing	Manufacture Date
P-910	60IIII-1	2005+	NONE	FIRE	CON	0706+
P-300	60IIII-1	2005+	NONE	EMERG	CON	0406+

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 11)

Federal Operating Permit Program

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

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

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Diesel	AES No.	Displacement	Generator Set	Model Year	Install Date
P-910	60IIII-1	DIESEL		10-		2017+	
P-300	60IIII-1	DIESEL		10-		2017+	

Stationary Reciprocating Internal Combustion Engine Attributes

Form OP-UA2 (Page 12)

Federal Operating Permit Program

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

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

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Kilowatts	Filter	AECD	Standard	Compliance Option	PM Compliance	Options
P-910	60IIII-1	F560+			NO	MANU YES		
P-300	60IIII-1	E130-368		NO	NO	MANU YES		

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.
05/17/2024	01068	RN100225093

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.
GRPTK10	60KB-1	VOL	40K+	NONE	0.5-					
GRPTK10	60KB-3	VOL	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK11	60KB-1	VOL	40K+	NONE	0.5-					
GRPTK11	60KB-2	VOL	40K+	NONE	0.5-0.75	NONE3				
GRPTK11	60KB-3	VOL	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK5	1a-Kb1	PTLQ-3	40K+	NONE	0.5-					
GRPTK5	1a-Kb2	PTCD-AF3	40K+	NONE	0.5-					
GRPTK5	1a-Kb3	VOL	40K+	NONE	0.5-					
GRPTK5	1-Kb1	PTLQ-3	40K+	NONE	0.5-0.75	NONE3				
GRPTK5	1-Kb2	PTCD-AF3	40K+	NONE	0.5-0.75	NONE3				
GRPTK5	1-Kb3	VOL	40K+	NONE	0.5-0.75	NONE3				
GRPTK5	4a-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	IFR-SL				
GRPTK5	4a-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-SL				
GRPTK5	4a-Kb3	VOL	40K+	NONE	0.75-11.1	IFR-SL				
GRPTK5	4-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK5	4-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK5	4-Kb3	VOL	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK7	1a-Kb1	PTLQ-3	40K+	NONE	0.5-					
GRPTK7	1a-Kb2	PTCD-AF3	40K+	NONE	0.5-					
GRPTK7	1a-Kb3	VOL	40K+	NONE	0.5-					
GRPTK7	1-Kb1	PTLQ-3	40K+	NONE	0.5-0.75	NONE3				
GRPTK7	1-Kb2	PTCD-AF3	40K+	NONE	0.5-0.75	NONE3				
GRPTK7	1-Kb3	VOL	40K+	NONE	0.5-0.75	NONE3				
GRPTK8	60KB-3	VOL	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK9	60KB-2	VOL	40K+	NONE	0.5-0.75	NONE3				
T-803	1a-Kb1	PTLQ-3	40K+	NONE	0.5-					
T-803	1a-Kb2	PTCD-AF3	40K+	NONE	0.5-					
T-803	1a-Kb3	VOL	40K+	NONE	0.5-					
T-803	1-Kb1	PTLQ-3	40K+	NONE	0.5-0.75	NONE3				
T-803	1-Kb2	PTCD-AF3	40K+	NONE	0.5-0.75	NONE3				
T-803	1-Kb3	VOL	40K+	NONE	0.5-0.75	NONE3				
T-803	4-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	CVS-CD				
T-803	4-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	CVS-CD				
T-803	4-Kb3	VOL	40K+	NONE	0.75-11.1	CVS-CD				

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.
05/17/2024	01068	RN100225093

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.
T-803	60KB-1	VOL	40K+	NONE	0.5-					
T-803	60KB-2	VOL	40K+	NONE	0.5-0.75	NONE3				
T-806	1a-Kb1	PTLQ-3	40K+	NONE	0.5-					
T-806	1a-Kb2	PTCD-AF3	40K+	NONE	0.5-					
T-806	1a-Kb3	VOL	40K+	NONE	0.5-					
T-806	1-Kb1	PTLQ-3	40K+	NONE	0.5-0.75	NONE3				
T-806	1-Kb2	PTCD-AF3	40K+	NONE	0.5-0.75	NONE3				
T-806	1-Kb3	VOL	40K+	NONE	0.5-0.75	NONE3				
T-806	4a-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	IFR-SL				
T-806	4a-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-SL				
T-806	4a-Kb3	VOL	40K+	NONE	0.75-11.1	IFR-SL				
T-806	4-Kb1	PTLQ-3	40K+	NONE	0.75-11.1	IFR-MT				
T-806	4-Kb2	PTCD-AF3	40K+	NONE	0.75-11.1	IFR-MT				
T-806	4-Kb3	VOL	40K+	NONE	0.75-11.1	IFR-MT				
GRPTK12	1a-Kb1	PTLQ-3	40K+	NONE	0.5-					
GRPTK12	1a-Kb2	PTCD-AF3	40K+	NONE	0.5-					
GRPTK12	1a-Kb3	VOL	40K+	NONE	0.5-					

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program
Table 4a: 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.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPTK12	115B-1	NO		VOC1	A40K+			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program
Table 4b: 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.
05/17/2024	01068	RN100225093

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.
GRPTK12	115B-1		NONE1	1-				

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 1)

Federal Operating Permit Program

Table 1a: 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date		Permit No.			Regulated Entity No.				
05/17/2024		01068			RN100225093				
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 Throughput	Control Options
GRPBGD	115-5L	MARINE	NONE		VOC1	LOAD	0.5-		
GRPBGD	115-5UL	MARINE	NONE		VOC1	UNLOAD	0.5-		
GRPBGD	115-6L	MARINE	NONE		GAS1	LOAD	0.5+	NCE3	CON
GRPBGD	115-6UL	MARINE	NONE		GAS1	UNLOAD	0.5+		CON
GRPBGD	115-6L1								
GRPBGD	115-7L	MARINE	NONE		VOC1	LOAD	0.5+	NCE3	CON
GRPBGD	115-7UL	MARINE	NONE		VOC1	UNLOAD	0.5+		CON
GRPBGD	115-7L1								
GRPDM	115-2LG	GASTERM	NONE		GAS1	BOTH	0.5+	NCE3	
GRPDM	115-2LG1								
GRPSD	115-6L	MARINE	NONE		GAS1	LOAD	0.5+	NCE3	CON
GRPSD	115-6UL	MARINE	NONE		GAS1	UNLOAD	0.5+		CON
GRPSD	115-6L1								
GRPSD	115-7L	MARINE	NONE		VOC1	LOAD	0.5+	NCE3	CON
GRPSD	115-7UL	MARINE	NONE		VOC1	UNLOAD	0.5+		CON
GRPSD	115-7L1								
GRPSD	115-5Lb 115-5L	MARINE	NONE		VOC1	LOAD	0.5-		
GRPSD	115-5La 115-5UL	MARINE	NONE		VOC1	UNLOAD	0.5-		
GRPTR	115-1L	OTHER	NONE		VOC1	BOTH	0.5-		
GRPTR	115-2L	OTHER	NONE		VOC1	BOTH	0.5+	20K+	CON
GRPTR	115-2L1								
GRPTR	115-2LG	GASTERM	NONE		GAS1	BOTH	0.5+	NCE3	
GRPTR	115-2LG1								

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 2)

Federal Operating Permit Program

Table 1b: 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date		Permit No.			Regulated Entity No.			
05/17/2024		01068			RN100225093			
Unit ID No.	SOP/GOP 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
GRPBGD	115-5L							
GRPBGD	115-5UL							
GRPBGD	115-6L	FLARE COMB	FL-MARINE1, FLMARINE2	YES		NO		
GRPBGD	115-6UL	COMB	FL-MARINE1, FLMARINE2	YES				
GRPBGD	115-6L1							
GRPBGD	115-7L	FLARE COMB	FL-MARINE1, FLMARINE2	YES		NO		
GRPBGD	115-7UL	COMB	FL-MARINE1, FLMARINE2	YES				
GRPBGD	115-7L1							
GRPDM	115-2LG	FLARE	FL-600, FL-900	YES	NO			
GRPDM	115-2LG1							
GRPSD	115-6L	FLARE COMB	FL-MARINE1, FLMARINE2	YES		NO		
GRPSD	115-6UL	COMB	FL-MARINE1, FLMARINE2	YES				
GRPSD	115-6L1							
GRPSD	115-7L	FLARE COMB	FL-MARINE1, FLMARINE2	YES		NO		
GRPSD	115-7UL	COMB	FL-MARINE1, FLMARINE2	YES				
GRPSD	115-7L1							
GRPTR	115-2L	FLARE	FL-600, FL-900	NO				
GRPTR	115-2L1							
GRPTR	115-2LG	FLARE	FL-600, FL-900	NO	NO			
GRPTR	115-2LG1							

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 4)

Federal Operating Permit Program

Table 3: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart R: National Emission Standards for Gasoline Distribution Facilities

Date	05/17/2024	Regulated Entity No.		
05/17/2024	01068	RN100225093		

Unit ID No.	SOP Index No.	Vapor Processing System	Subpart R Control Device Type	Subpart R Control Device ID No.
GRPTR	R-3L	YES	FLARE	FL-600, FL-900
GRPTR	R-3L1			

Texas Commission on Environmental Quality
Loading/Unloading Operations Attributes
Form OP-UA04 (Page 7)
Federal Operating Permit Program

Table 5: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)

Subpart BB: National Emission Standards for Benzene Emissions from Benzene Transfer Operations

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP Index No.	Negative Applicability	Benzene By Weight	Annual Amount Loaded	Loading Location	Subpart BB Control Device Type	Subpart BB Control Device ID No.	Intermittent Control Device	Diverted Vent Gas Stream
GRPBGD	BB-8L	NO	70+	1.3+	MARINE	FLARE INCOTH	FL-MARINE1, FL-MARINE2	NO	NO
GRPBGD	BB-8L1								
GRPSD	BB-8L	NO	70+	1.3+	MARINE	FLARE INCOTH	FL-MARINE1, FL-MARINE2	NO	NO
GRPSD	BB-8L1								
GRPTR	BB-8L	NO	70+	1.3+	LAND	FLARE	FL-600, FL-900	NO	NO
GRPTR	BB-8L1								

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 for Institutional, Commercial, and Industrial Boilers
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
05/17/2024	01068	RN100225093

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
B-1	63DDDDD-1	EXIST	T3.1TS		
B-2	63DDDDD-1	EXIST	T3.1TS		

Texas Commission on Environmental Quality
Incinerator Attributes
Form OP-UA35 (Page 2)
Federal Operating Permit Program
Table 2a: 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and
Institutional Sources in Ozone Nonattainment Areas, Incinerators

Date:	05/17/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093

Unit ID No.	SOP/GOP Index No.	Maximum Rated Capacity	NOx Emission Limitation	23C-Option	NOx Reduction	NOx Monitoring System	NOx Averaging Method
FL-MARINE1	117-1	40-100	310		NONE	MERT	30D
FL-MARINE2	117-1	40-100	310		NONE	MERT	30D
VC-1000	117-1	40-100	310		NONE	MERT	30D

Texas Commission on Environmental Quality
Incinerator Attributes
Form OP-UA35 (Page 3)
Federal Operating Permit Program
Table 2b: 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and
Institutional Sources in Ozone Nonattainment Areas, Incinerators

Date:	05/17/2024
Permit No.:	01068
Regulated Entity No.:	RN100225093

Unit ID No.	SOP/GOP Index No.	Fuel Flow Monitoring	CO Emission Limitation	CO Monitoring System	NH3 Emission Limitation	NH3 Monitoring
FL-MARINE1	117-1	X40A	310	OTHER		
FL-MARINE2	117-1	X40A	310	OTHER		
VC-1000	117-1	X40A	310	OTHER		

4. APPLICABLE REQUIREMENTS SUMMARY FORMS

This section contains the following forms and information:

- ▶ Form OP-REQ1 – Application Area-Wide Applicability Determinations and General Information
- ▶ Form OP-REQ3 – Applicable Requirements Summary
- ▶ Form OP-MON – Monitoring Requirements

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 7		
III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)		
E. Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities (continued)		
◆	8. At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. <i>If the response to Question III.E.8 is "YES," go to Section III.F.</i>	☐ YES ☐ NO
◆	9. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐ YES ☐ NO
◆	10. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☐ YES ☐ NO
◆	11. Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which commenced construction on or after November 15, 1992.	☐ YES ☐ NO
◆	12. At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐ YES ☐ NO
F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)		
◆	1. Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐ YES ☐ NO ☐ N/A

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 8		
III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)		
F. Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only) (continued)		
◆	2. Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐ YES ☐ NO ☐ N/A
◆	3. Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐ YES ☐ NO ☐ N/A
G. Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities		
◆	1. The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. <i>If the response to Question III.G.1 is "NO" or "N/A," go to Section III.H.</i>	☐ YES ☒ NO ☐ N/A
◆	2. The application area includes facilities that began construction on or after November 15, 1992 and prior to May 16, 2012.	☐ YES ☐ NO
◆	3. The application area includes facilities that began construction prior to November 15, 1992. <i>If the responses to Questions III.G.2 and Question III.G.3 are both "NO," go to Section III.H.</i>	☐ YES ☐ NO
◆	4. The application area includes only facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☐ YES ☐ NO
◆	5. The decommissioning of all Stage II vapor recovery control equipment located in the application area has been completed and the decommissioning notice submitted.	☐ YES ☐ NO ☐ N/A

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 10	
III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)	
K. Cutback Asphalt	
1. Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. <i>If the response to Question III.K.1 is "N/A," go to Section III.L.</i>	☐ YES ☒ NO ☐ N/A
2. The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐ YES ☒ NO ☐ N/A
3. Asphalt emulsion is used or produced within the application area.	☐ YES ☒ NO
4. The application area is using an alternate control requirement as specified in 30 TAC § 115.513. <i>If the response to Question III.K.4 is "NO," go to Section III.L.</i>	☐ YES ☒ NO
5. The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐ YES ☐ NO
6. The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐ YES ☐ NO
7. The applicant using cutback asphalt is a state, municipal, or county agency.	☐ YES ☐ NO
L. Degassing of Storage Tanks, Transport Vessels and Marine Vessels	
◆ 1. The application area includes degassing operations for stationary, marine, and/or transport vessels. <i>If the response to Question III.L.1 is "NO" or "N/A," go to Section III.M.</i>	☒ YES ☐ NO ☐ N/A
◆ 2. Degassing of only ocean-going, self-propelled VOC marine vessels is performed in the application area. <i>If the response to Question III.L.2 is "YES," go to Section III.M.</i>	☒ YES ☐ NO ☐ N/A

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 12	
III. Title 30 TAC Chapter 115 - Control of Air Pollution from Volatile Organic Compounds (continued)	
N. Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC))	
1. The application area includes one or more vent gas streams containing HRVOC.	☐ YES ☒ NO ☐ N/A
2. The application area includes one or more flares that emit or have the potential to emit HRVOC. <i>If the responses to Questions III.N.1 and III.N.2 are both "NO" or "N/A," go to Section III.O. If the response to Question III.N.1 is "YES," continue with Question III.N.3.</i>	☐ YES ☒ NO ☐ N/A
3. All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐ YES ☐ NO
4. All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. <i>If the responses to Questions III.N.3 and III.N.4 are both "NO," go to Section III.O.</i>	☐ YES ☐ NO
5. The application area contains pressure relief valves that are not controlled by a flare.	☐ YES ☐ NO
6. The application area has at least one vent stream which has no potential to emit HRVOC.	☐ YES ☐ NO
7. The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☐ YES ☐ NO
O. Cooling Tower Heat Exchange Systems (HRVOC)	
1. The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☐ YES ☒ NO ☐ N/A

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 13

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

A. Applicability

◆	1. The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. <i>For SOP applications, if the response to Question IV.A.1 is "YES," complete Sections IV.B - IV.F and IV.H. 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>	☒ YES ☐ NO
	2. The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. <i>If the response to Question IV.A.2 is "YES," go to Question IV.H.1.</i>	☐ YES ☐ NO
	3. The application area includes a utility electric generator in an east or central Texas county. <i>See instructions for a list of counties included. 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>	☐ YES ☐ NO

B. Utility Electric Generation in Ozone Nonattainment Areas

	1. The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. <i>If the response to Question IV.B.1 is "NO," go to Question IV.C.1.</i>	☐ YES ☒ NO
	2. The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 14	
IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)	
C. Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas	
◆ 1. The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. <i>For SOP applications, if the response to Question IV.C.1 is "NO," go to Question IV.D.1. For GOP applications for GOP 517, if the response to Question IV.C.1 is "NO," go to Section IV.F.</i>	☒ YES ☐ NO
◆ 2. The application area is located at a site that was a major source of NO _x before November 15, 1992.	☒ YES ☐ NO ☐ N/A
◆ 3. The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐ YES ☒ NO
D. Adipic Acid Manufacturing	
1. The application area is located at, or part of, an adipic acid production unit.	☐ YES ☒ NO ☐ N/A
E. Nitric Acid Manufacturing - Ozone Nonattainment Areas	
1. The application area is located at, or part of, a nitric acid production unit.	☐ YES ☒ NO ☐ N/A
F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines	
◆ 1. The application area is located at a site that is a minor source of NO _x in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas (except for Wise County). <i>For SOP applications, if the response to Question IV.F.1 is "NO," go to Question IV.G.1. For GOP applications, if the response to Question IV.F.1 is "NO," go to Section VI.</i>	☐ YES ☒ NO
◆ 2. The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐ YES ☐ NO
◆ 3. The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 15		
IV. Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)		
F. Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)		
◆	4. The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ YES ☐ NO
◆	5. The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ YES ☐ NO
	6. The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. <i>If the response to Question IV.F.6 is "NO," go to Section IV.G.</i>	☐ YES ☐ NO
	7. An ACSS for carbon monoxide (CO) has been approved?	☐ YES ☐ NO
	8. An ACSS for ammonia (NH ₃) has been approved?	☐ YES ☐ NO
	9. Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
G. Utility Electric Generation in East and Central Texas		
	1. The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. <i>If the response to Question IV.G.1 is "NO," go to Question IV.H.1.</i>	☐ YES ☒ NO
	2. The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ YES ☐ NO
H. Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters		
	1. The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. <i>If the response to question IV.H.1 is "NO," go to Section V.</i>	☐ YES ☒ NO
	2. All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 16	
V. Title 40 Code of Federal Regulations Part 59 (40 CFR Part 59) - National Volatile Organic Compound Emission Standards for Consumer and Commercial Products	
A. Subpart B - National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings	
1. The application area manufactures automobile refinishing coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐ YES ☒ NO
2. The application area imports automobile refinishing coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. <i>If the responses to Questions V.A.1 and V.A.2 are both "NO," go to Section V.B.</i>	☐ YES ☒ NO
3. All automobile refinishing coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐ YES ☐ NO
B. Subpart C - National Volatile Organic Compound Emission Standards for Consumer Products	
1. The application area manufactures consumer products for sale or distribution in the United States.	☐ YES ☒ NO
2. The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐ YES ☒ NO
3. The application area is a distributor of consumer products whose name appears on the label of one or more of the products. <i>If the responses to Questions V.B.1 - V.B.3 are all "NO," go to Section V.C.</i>	☐ YES ☒ NO
4. All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 19	
VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)	
C. Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)	
◆	5. One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides. ☐ YES ☐ NO
D. Subpart XX - Standards of Performance for Bulk Gasoline Terminals	
	1. The application area includes bulk gasoline terminal loading racks. <i>If the response to Question VI.D.1 is "NO," go to Section VI.E.</i> ☒ YES ☐ NO ☐ N/A
	2. One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC. ☒ YES ☐ NO
E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO₂) Emissions	
◆	1. The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). <i>For SOP applications, if the response to Question VI.E.1 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A," go to Section VI.H.</i> ☐ YES ☒ NO
◆	2. The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. <i>For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.H.</i> ☐ YES ☐ NO
◆	3. The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. <i>For SOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "NO," go to Section VI.H.</i> ☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 20	
VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)	
E. Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO₂) Emissions (continued)	
◆ 4. Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. <i>For SOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "NO," go to Section VI.H.</i>	☐ YES ☐ NO
◆ 5. Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below.	
F. Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants	
1. The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. <i>If the response to Question VI.F.1 is "NO," go to Section VI.G.</i>	☐ YES ☒ NO
2. Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ YES ☐ NO
G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	
1. The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. <i>If the response to Question VI.G.1 is "NO," go to Section VI.H.</i>	☐ YES ☒ NO
2. The application area includes storm water sewer systems.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 21	
VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)	
G. Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (continued)	
3. The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐ YES ☐ NO
4. The application area includes non-contact cooling water systems.	☐ YES ☐ NO
5. The application area includes individual drain systems. <i>If the response to Question VI.G.5 is "NO," go to Section VI.H.</i>	☐ YES ☐ NO
6. The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐ YES ☐ NO
7. The application area includes completely closed drain systems.	☐ YES ☐ NO
H. Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004	
◆ 1. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. <i>If the response to Question VI.H.1. is "N/A," go to Section VI.I. If the response to Question VI.H.1 is "NO," go to Question VI.H.4.</i>	☐ YES ☒ NO ☐ N/A
◆ 2. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
◆ 3. The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
◆ 4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.H.4 is "NO," go to Section VI.I.</i>	☐ YES ☒ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 23		
VI. Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)		
I. Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 (continued)		
◆	3. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐ YES ☐ NO
◆	4. The application area includes at least one air curtain incinerator. <i>If the response to Question VI.I.4 is "NO," go to Section VI.J.</i>	☐ YES ☒ NO
◆	5. The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. <i>If the response to Question VI.I.5 is "NO," go to VI.I.7.</i>	☐ YES ☐ NO
◆	6. All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
◆	7. The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐ YES ☐ NO
◆	8. All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 26	
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
D. Subpart L - National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants	
1. The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). <i>If the response to Question VII.D.1 is "NO," go to Section VII.E.</i>	☐ YES ☒ NO
2. The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐ YES ☐ NO
3. The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐ YES ☐ NO
E. Subpart M - National Emission Standard for Asbestos	
Applicability	
1. The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, 61.144, 61.146, 61.147, 61.148, or 61.155. <i>If the response to Question VII.E.1 is "NO," go to Section VII.F.</i>	☐ YES ☒ NO
Roadway Construction	
2. The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐ YES ☐ NO
Manufacturing Commercial Asbestos	
3. The application area includes a manufacturing operation using commercial asbestos. <i>If the response to Question VII.E.3 is "NO," go to Question VII.E.4.</i>	☐ YES ☐ NO
a. Visible emissions are discharged to outside air from the manufacturing operation	☐ YES ☐ NO
b. An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 27	
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
E. Subpart M - National Emission Standard for Asbestos (continued)	
<i>Manufacturing Commercial Asbestos (continued)</i>	
c. Asbestos-containing waste material is processed into non-friable forms.	☐ YES ☐ NO
d. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
e. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
f. A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐ YES ☐ NO
g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
<i>Asbestos Spray Application</i>	
4. The application area includes operations in which asbestos-containing materials are spray applied. <i>If the response to Question VII.E.4 is "NO," go to Question VII.E.5.</i>	☐ YES ☐ NO
a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. <i>If the response to Question VII.E.4.a is "YES," go to Question VII.E.5.</i>	☐ YES ☐ NO
b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐ YES ☐ NO
c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 28	
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
E. Subpart M - National Emission Standard for Asbestos (continued)	
Asbestos Spray Application (continued)	
d. Asbestos-containing waste material is processed into non-friable forms.	☐ YES ☐ NO
e. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
f. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
g. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐ YES ☐ NO
h. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
Fabricating Commercial Asbestos	
5. The application area includes a fabricating operation using commercial asbestos. <i>If the response to Question VII.E.5 is "NO," go to Question VII.E.6.</i>	☐ YES ☐ NO
a. Visible emissions are discharged to outside air from the manufacturing operation.	☐ YES ☐ NO
b. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ YES ☐ NO
c. Asbestos-containing waste material is processed into non-friable forms.	☐ YES ☐ NO
d. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
e. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 29	
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
E. Subpart M - National Emission Standard for Asbestos (continued)	
<i>Fabricating Commercial Asbestos (continued)</i>	
f. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐ YES ☐ NO
g. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
<i>Non-sprayed Asbestos Insulation</i>	
6. The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	☐ YES ☐ NO
<i>Asbestos Conversion</i>	
7. The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐ YES ☐ NO
F. Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities	
1. The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐ YES ☒ NO
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations	
1. The application area is located at a benzene production facility and/or bulk terminal. <i>If the response to Question VII.G.1 is "NO," go to Section VII.H.</i>	☒ YES ☐ NO
2. The application area includes benzene transfer operations at marine vessel loading racks.	☒ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 30	
VII. Title 40 Code of Federal Regulations Part 61 - National Emission Standards for Hazardous Air Pollutants (continued)	
G. Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations (continued)	
3. The application area includes benzene transfer operations at railcar loading racks.	☒ YES ☐ NO
4. The application area includes benzene transfer operations at tank-truck loading racks.	☒ YES ☐ NO
H. Subpart FF - National Emission Standard for Benzene Waste Operations	
Applicability	
1. The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐ YES ☒ NO
2. The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). <i>If the responses to Questions VII.H.1 and VII.H.2 are both "NO," go to Section VIII.</i>	☐ YES ☒ NO
3. The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. <i>If the response to Question VII.H.3 is "YES," go to Section VIII.</i>	☐ YES ☐ NO
4. The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagram per year (Mg/yr). <i>If the response to Question VII.H.4 is "YES," go to Section VIII</i>	☐ YES ☐ NO
5. The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. <i>If the response to Question VII.H.5 is "YES," go to Section VIII.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 41	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
E. Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities	
1. The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. <i>If the response to Question VIII.E.1 is "NO," go to Section VIII.F.</i>	☐ YES ☒ NO
2. Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. <i>If the response to Question VIII.E.2 is "NO," go to Section VIII.F.</i>	☐ YES ☐ NO
3. The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐ YES ☐ NO
4. The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐ YES ☐ NO
F. Subpart Q - National Emission Standards for Industrial Process Cooling Towers	
1. The application area includes industrial process cooling towers. <i>If the response to Question VIII.F.1 is "NO," go to Section VIII.G.</i>	☐ YES ☒ NO
2. Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐ YES ☐ NO
G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	
1. The application area includes a bulk gasoline terminal.	☒ YES ☐ NO
2. The application area includes a pipeline breakout station. <i>If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO," go to Section VIII.H.</i>	☐ YES ☒ NO
3. The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. <i>If the response to Question VIII.G.3 is "YES," go to Question VIII.G.10.</i>	☐ YES ☒ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 42	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (continued)	
4. The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. <i>If the response to Question VIII.G.4 is "YES," go to Question VIII.G.10.</i>	☒ YES ☐ NO
5. An emissions screening factor was calculated for the bulk gasoline terminal or pipeline breakout station. <i>If the response to Question VIII.G.5 is "NO," go to Question VIII.G.10.</i>	☐ YES ☐ NO
6. The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). <i>If the response to Question VIII.G.6 is "NO," go to Question VIII.G.10.</i>	☐ YES ☐ NO
7. Emissions screening factor less than 0.5 (ET or EP < 0.5). <i>If the response to Question VIII.G.7 is "YES," go to Section VIII.H.</i>	☐ YES ☐ NO
8. Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). <i>If the response to Question VIII.G.8 is "YES," go to Section VIII.H.</i>	☐ YES ☐ NO
9. Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). <i>If the response to Question VIII.G.9 is "YES," go to Question VIII.G.11.</i>	☐ YES ☐ NO
10. The site at which the application area is located is a major source of HAP. <i>If the response to Question VIII.G.10 is "NO," go to Section VIII.H.</i>	☒ YES ☐ NO
11. The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐ YES ☒ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 45	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)	
5. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.5 is "YES," go to Question VIII.J.15.</i>	☐ YES ☐ NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.J.6 is "NO," go to Question VIII.J.8.</i>	☐ YES ☐ NO
7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.J.8 - VIII.J.9 are both "NO," go to Question VIII.J.11.</i>	☐ YES ☐ NO
10. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 46	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)	
Containers	
11. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
Drains	
12. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.J.12 is "NO," go to Question VIII.J.15.</i>	☐ YES ☐ NO
13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
14. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. <i>If the response to Question VIII.J.15 is "NO," go to Section VIII.K.</i>	☐ YES ☐ NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). <i>If the response to Question VIII.J.16 is "NO," go to Section VIII.K.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 47	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins (continued)	
Drains (continued)	
17. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐ YES ☐ NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ YES ☐ NO
K. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production	
1. The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. <i>If the response to Question VIII.K.1 is "NO" or "N/A," go to Section VIII.L.</i>	☐ YES ☒ NO ☐ N/A
2. The application area includes a BLR and/or WSR research and development facility.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 49	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
Applicability (continued)	
3. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). <i>If the response to Question VIII.N.3 is "NO," go to Section VIII.O.</i>	☐ YES ☐ NO
4. The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. <i>If the response to Question VIII.N.4 is "NO," go to Section VIII.O.</i>	☐ YES ☐ NO
5. The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ YES ☐ NO
6. The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ YES ☐ NO
7. The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. <i>If the response to Question VIII.N.7 is "NO," go to Section VIII.O.</i>	☐ YES ☐ NO
8. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 52	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)	
11. The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. <i>If the response to Question VIII.O.11 is "NO," go to Question VIII.O.14.</i>	☐ YES ☐ NO
12. VOHAP concentration is determined by direct measurement.	☐ YES ☐ NO
13. VOHAP concentration is based on knowledge of the off-site material.	☐ YES ☐ NO
14. The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. <i>If the response to Question VIII.O.14 is "NO," go to Question VIII.O.17.</i>	☐ YES ☐ NO
15. An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ YES ☐ NO
16. An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ YES ☐ NO
17. The application area includes containers that manage non-exempt off-site material.	☐ YES ☐ NO
18. The application area includes individual drain systems that manage non-exempt off-site materials.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 54		
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
Q. Subpart - HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities (continued)		
◆	5. The application area contains only a facility, prior to the point of custody transfer, with facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters (649,789.9 ft³) per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters (10,487.6 gallons) per day. <i>For SOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.R.</i> <i>For GOP applications, if the response to Question VIII.Q.5 is "YES," go to Section VIII.Z.</i> <i>For all applications, if the response to Question VIII.Q.5 is "NO," go to Question VIII.Q.9.</i>	☐ YES ☐ NO
◆	6. The application area includes a triethylene glycol (TEG) dehydration unit. <i>For SOP applications, if the answer to Question VIII.Q.6 is "NO," go to Section VIII.R. For GOP applications, if the response to Question VIII.Q.6 is "NO," go to Section VIII.Z.</i>	☐ YES ☐ NO
◆	7. The application area is located at a site that is within the boundaries of UA plus offset or a UC, as defined in 40 CFR § 63.761.	☐ YES ☐ NO
◆	8. The site has actual emissions of 5 tons per year or more of a single HAP, or 12.5 tons per year or more of a combination of HAP.	☐ YES ☐ NO
◆	9. Emissions for major source determination are being estimated based on the maximum natural gas or hydrocarbon liquid throughput as calculated in § 63.760(a)(1)(i)-(iii).	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 58

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

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

15. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. <i>If the response to Question VIII.W.15 is "NO," go to Question VIII.W.20.</i>	☐ YES ☐ NO
16. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). <i>If the response to Question VIII.W.16 is "NO," go to Question VIII.W.20.</i>	☐ YES ☐ NO
17. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐ YES ☐ NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 59	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)	
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acrylic resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ YES ☐ NO
20. The application area includes an ethylene production process unit.	☐ YES ☒ NO ☐ N/A
21. The application area includes waste streams generated from an ethylene production process unit. <i>If the responses to Questions VIII.W.20 and VIII.W.21 are both "NO" or "N/A," go to Question VIII.W.54.</i>	☐ YES ☒ NO ☐ N/A
22. The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). <i>If the response to Question VIII.W.22 is "NO," go to Question VIII.W.54.</i>	☐ YES ☐ NO
23. Waste stream(s) are transferred off-site for treatment. <i>If the response to Question VIII.W.23 is "NO," go to Question VIII.W.25.</i>	☐ YES ☐ NO
24. The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. <i>If the response to Question VIII.W.24 is "NO," go to Question VIII.W.54.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 65	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)	
5. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐ YES ☐ NO
6. The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ YES ☐ NO
7. The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ YES ☐ NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.X.8 is "YES," go to Question VIII.X.18.</i>	☐ YES ☐ NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.X.9 is "NO," go to Question VIII.X.11.</i>	☐ YES ☐ NO
10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.X.11 - VIII.X.12 are both "NO," go to Question VIII.X.14.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 66	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)	
13. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
Containers	
14. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
Drains	
15. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.X.15 is "NO," go to Question VIII.X.18.</i>	☐ YES ☐ NO
16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
17. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
18. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. <i>If the response to Question VIII.X.18 is "NO," go to Section VIII.Y.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 67	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)	
Drains (continued)	
19. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). <i>If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.</i>	☐ YES ☐ NO
20. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ YES ☐ NO
21. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO
22. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 68	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	
1. The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐ YES ☒ NO
Z. Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.	
◆ 1. The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ YES ☒ NO
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)	
1. The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ YES ☒ NO
2. The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ YES ☐ NO
3. The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. <i>If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO," go to Section VIII.BB.</i>	☐ YES ☒ NO
4. The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. <i>If the response to Question VIII.AA.4 is "NO," go to Section VIII.BB.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 69	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
5. The application area includes process wastewater streams. <i>If the response to Question VIII.AA.5 is "NO," go to Question VIII.AA.18.</i>	☐ YES ☐ NO
6. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐ YES ☐ NO
7. The application area includes process wastewater streams that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐ YES ☐ NO
8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.8 is "YES," go to Section VIII.AA.22.</i>	☐ YES ☐ NO
9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. <i>If the response to Question VIII.AA.9 is "NO," go to Question VIII.AA.11.</i>	☐ YES ☐ NO
10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
12. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. <i>If the responses to Questions VIII.AA.11 and VIII.AA.12 are both "NO," go to Question VIII.AA.18.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 70	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
13. Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). <i>If the response to Question VIII.AA.13 is "NO," go to Question VIII.AA.15.</i>	☐ YES ☐ NO
14. The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐ YES ☐ NO
15. Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. <i>If the response to Question VIII.AA.15 is "NO," go to Question VIII.AA.17.</i>	☐ YES ☐ NO
16. The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐ YES ☐ NO
17. The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
18. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
19. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. <i>If the response to Question VIII.AA.19 is "NO," go to Question VIII.AA.22.</i>	☐ YES ☐ NO
20. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 71	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
21. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
22. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). <i>If the response to Question VIII.AA.22 is "NO," go to Section VIII.BB.</i>	☐ YES ☐ NO
23. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). <i>If the response to Question VIII.AA.23 is "NO," go to Section VIII.BB.</i>	☐ YES ☐ NO
24. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flow rate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐ YES ☐ NO
25. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flow rate is greater than or equal to 1 liter per minute.	☐ YES ☐ NO
26. The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 75	
VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)	
EE. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)	
11. The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐ YES ☐ NO
FF. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	
◆ 1. The application area is located at a site that is an area source of hazardous air pollutants. <i>If the answer to Question VIII.FF.1 is "NO," go to Section VIII.GG.</i>	☐ YES ☒ NO
◆ 2. The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. <i>If the answer to Question VIII.FF.2 is "NO," go to Section VIII.GG.</i>	☐ YES ☐ NO
◆ 3. The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐ YES ☐ NO
◆ 4. The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐ YES ☐ NO
GG. Recently Promulgated 40 CFR Part 63 Subparts	
◆ 1. The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. <i>If the response to Question VIII.GG.1 is "NO," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.</i>	☒ YES ☐ NO
◆ 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. 60 CFR Part 63, Subparts EEEE, ZZZZ, and DDDDD	

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 76	
IX. Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions	
A. Applicability	
◆	1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.
☒ YES ☐ NO	
X. Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone	
A. Subpart A - Production and Consumption Controls	
◆	1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.
☐ YES ☒ NO ☐ N/A	
B. Subpart B - Servicing of Motor Vehicle Air Conditioners	
◆	1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.
☐ YES ☒ NO	
C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	
◆	1. The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.
☐ YES ☒ NO ☐ N/A	
D. Subpart D - Federal Procurement	
◆	1. The application area is owned/operated by a department, agency, or instrumentality of the United States.
☐ YES ☒ NO ☐ N/A	
E. Subpart E - The Labeling of Products Using Ozone Depleting Substances	
◆	1. The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.
☐ YES ☒ NO ☐ N/A	
◆	2. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.
☐ YES ☒ NO ☐ N/A	
◆	3. The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.
☐ YES ☒ NO ☐ N/A	

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 80	
XI. Miscellaneous (continued)	
G. 40 CFR Part 97, Subpart FFFFF - Texas SO₂ Trading Program	
1. The application area includes emission units complying with the requirements of the Texas SO ₂ Trading Program. <i>If the response to Question XI.G.1 is "NO," go to Question XI.G.6.</i>	☐ YES ☒ NO
2. The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO ₂ and 40 CFR Part 75, Subpart H for heat input.	☐ YES ☐ NO
3. The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO ₂ and heat input.	☐ YES ☐ NO
4. The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO ₂ and heat input.	☐ YES ☐ NO
5. The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO ₂ and heat input.	☐ YES ☐ NO
6. The application area includes emission units that qualify for the Texas SO ₂ Trading Program retired unit exemption.	☐ YES ☒ NO
H. Permit Shield (SOP Applicants Only)	
1. A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☐ YES ☒ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 81		
XI. Miscellaneous (continued)		
I. GOP Type (Complete this section for GOP applications only)		
◆	1. The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐ YES ☐ NO
◆	2. The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ YES ☐ NO
◆	3. The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ YES ☐ NO
◆	4. The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐ YES ☐ NO
◆	5. The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐ YES ☐ NO
J. Title 30 TAC Chapter 101, Subchapter H		
◆	1. The application area is located in a nonattainment area. <i>If the response to Question XI.J.1 is "NO," go to question XI.J.3.</i>	☒ YES ☐ NO
◆	2. The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ YES ☒ NO ☐ N/A
◆	3. The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ YES ☒ NO ☐ N/A

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 82		
XI. Miscellaneous (continued)		
J. Title 30 TAC Chapter 101, Subchapter H (continued)		
◆	4. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO _x .	☒ YES ☐ NO
◆	5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ YES ☒ NO
◆	6. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ YES ☒ NO
◆	7. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ YES ☒ NO
K. Periodic Monitoring		
◆	1. The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application.	☒ YES ☐ NO
◆	2. The permit currently contains at least one periodic monitoring requirement. <i>If the responses to Questions XI.K.1 and XI.K.2 are both "NO," go to Section XI.L.</i>	☒ YES ☐ NO
◆	3. All periodic monitoring requirements are being removed from the permit with this application.	☐ YES ☒ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 83		
XI. Miscellaneous (continued)		
L. Compliance Assurance Monitoring		
◆	1. The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. <i>If the response to Question XI.L.1 is "NO," go to Section XI.M.</i>	☐ YES ☒ NO
◆	2. The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. <i>If the response to Question XI.L.2 is "NO," go to Section XI.M.</i>	☐ YES ☐ NO
◆	3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐ YES ☐ NO
◆	4. The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. <i>If the responses to Questions XI.L.3 and XI.L.4 are both "NO," go to Section XI.M.</i>	☐ YES ☐ NO
	5. The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ YES ☐ NO
	6. Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
◆	7. At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐ YES ☐ NO
◆	8. All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). <i>If the response to Question XI.L.8 is "YES," go to Section XI.M.</i>	☐ YES ☐ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 84		
XI. Miscellaneous (continued)		
L. Compliance Assurance Monitoring (continued)		
◆	9. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ YES ☐ NO
◆	10. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ YES ☐ NO
◆	11. At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ YES ☐ NO
◆	12. The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ YES ☐ NO
M. Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times		
◆	1. The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. <i>If the response to Question XI.M.1 is "NO," or "N/A," go to Section XII.</i>	☐ YES ☒ NO ☐ N/A
◆	2. All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
XII. New Source Review (NSR) Authorizations		
A. Waste Permits with Air Addendum		
◆	1. The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. <i>If the response to XII.A.1 is "YES," include the waste permit numbers and issuance date in Section XII.J.</i>	☐ YES ☒ NO

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

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

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 87			
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)			
E. PSD Permits and PSD Major Pollutants			
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
PSD Permit No.:	Issuance Date:	Pollutant(s):	
If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
F. Nonattainment (NA) Permits and NA Major Pollutants			
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
NA Permit No.:	Issuance Date:	Pollutant(s):	
If NA Permits are held for the application area, please complete the Major NSR Summary Table located under the Technical Forms heading at: www.tceq.texas.gov/permitting/air/titlev/site/site_experts.html .			
G. NSR Authorizations with FCAA § 112(g) Requirements			
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
NSR Permit No.:	Issuance Date:	NSR Permit No.:	Issuance Date:
◆ H. Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area			
Authorization No.: 466A	Issuance Date: 09/14/2022	Authorization No.:	Issuance Date:
Authorization No.: 450707	Issuance Date: 04/16/2018	Authorization No.:	Issuance Date:
Authorization No.: 169055	Issuance Date: 05/24/2022	Authorization No.:	Issuance Date:
Authorization No.: 169601	Issuance Date: 09/06/2022	Authorization No.:	Issuance Date:

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

Date:	05/17/2024
Permit No.:	O1061
RN No.:	RN100225093

For SOP applications, answer ALL questions unless otherwise directed.

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

Form OP-REQ1: Page 88	
XII. NSR Authorizations (Attach additional sheets if necessary for sections E-J)	
◆ I. Permits by Rule (30 TAC Chapter 106) for the Application Area	
<i>A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.</i>	
PBR 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.: 106.373	Version No./Date: 03/14/1997
PBR No.: 106.412	Version No./Date: 03/14/1997
PBR No.: 106.472	Version No./Date: 09/04/2000
PBR No.: 106.476	Version No./Date: 09/04/2000
PBR No.: 106.478	Version No./Date: 03/14/1997
PBR No.: 106.478	Version No./Date: 09/04/2000
PBR No.: 106.511	Version No./Date: 03/14/1997
PBR No.: 14	Version No./Date: 11/05/1986
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
PBR No.:	Version No./Date:
◆ J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:
Permit No.:	Issuance Date:

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
1	P-910	OP-UA2	117-1	NOx	30 TAC Chapter 117, Subchapter B	[G]§117.303(a)(11) [G]§117.310(f)
3	P-300	OP-UA2	117-1	NOx	30 TAC Chapter 117, Subchapter B	[G]§117.303(a)(11) [G]§117.310(f)
1	P-910	OP-UA2	63ZZZZ-1	112(B) HAPs	40 CFR Part 63, Subpart ZZZZ	§63.6590(b)(1) §63.6595(c) §63.6640(f)(1) §63.6640(f)(2) §63.6640(f)(2)(i) §63.6640(f)(3)
3	P-300	OP-UA2	63ZZZZ-1	112(B) HAPs	40 CFR Part 63, Subpart ZZZZ	§63.6590(c)
1	P-910	OP-UA2	60IIII-1	NMHC+NOx	40 CFR Part 60, Subpart IIII	§60.4205(c)-Table 4 11 §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f)
1	P-910	OP-UA2	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§60.4205(c)-Table 4 29 §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
1	P-910	117-1	NOx	None	§117.340(j) §117.345(f) [G]§117.345(f)(6) [G]§117.345(f)(10)	None
3	P-300	117-1	NOx	None	§117.340(j) §117.345(f) [G]§117.345(f)(6) [G]§117.345(f)(10)	None
1	P-910	63ZZZZ-1	112(B) HAPs	None	None	§63.6645(f)
3	P-300	63ZZZZ-1	112(B) HAPs	None	None	None
1	P-910	60IIII-1	NMHC+NOx	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
1	P-910	60IIII-1	PM	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
3	P-300	OP-UA2	60III-1	NMHC+NOx	40 CFR Part 60, Subpart IIII	§60.4205(b) 4 §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f) §1039-Appendix I
3	P-300	OP-UA2	60III-1	CO	40 CFR Part 60, Subpart IIII	§60.4205(b) 13 §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f) §1039-Appendix I
3	P-300	OP-UA2	60III-1	PM	40 CFR Part 60, Subpart IIII	§60.4205(b) 22 §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f) §1039-Appendix I
3	P-300	OP-UA2	60III-1	Opacity	40 CFR Part 60, Subpart IIII	§60.4205(b) 25 §60.4202(a)(2) §60.4206 §60.4207(b) [G]§60.4211(a) §60.4211(c) [G]§60.4211(f) §1039.105(b)(1)-(3)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
3	P-300	60IIII-1	NMHC+NO _x	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
3	P-300	60IIII-1	CO	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
3	P-300	60IIII-1	PM	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)
3	P-300	60IIII-1	Opacity	§60.4209(a)	§60.4214(b)	[G]§60.4214(d)

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
7, 14	GRPTK5	OP-UA3	1-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)
7, 14	GRPTK5	OP-UA3	4a-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i) §60.112b(a)(1)(ii)(B) §60.112b(a)(1)(iii)-(ix)
7, 14	GRPTK5	OP-UA3	4-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i) §60.112b(a)(1)(ii)(C) §60.112b(a)(1)(iii)-(ix)
14	GRPTK7	OP-UA3	1-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)
14	T-803	OP-UA3	1-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)
14	T-803	OP-UA3	4-Kb1	VOC	40 CFR Part 60, Subpart Kb	[G]§60.112b(a)(3)
14	T-806	OP-UA3	1-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.110b(a)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
7, 14	GRPTK5	1-Kb1	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
7, 14	GRPTK5	4a-Kb1	VOC	§60.113b(a)(1), [G](a)(3), (a)(4) §60.113b(a)(5) §60.116b(a)-(b) §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) §60.115b(a)(4)
7, 14	GRPTK5	4-Kb1	VOC	§60.113b(a)(1), (a)(2), (a)(4) §60.113b(a)(5) §60.116b(a)-(b) §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)(2) §60.113b(a)(5) §60.115b, (a)(1) §60.115b(a)(3)
14	GRPTK7	1-Kb1	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
14	T-803	1-Kb1	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)
14	T-803	4-Kb1	VOC	[G]§60.113b(c)(1) §60.113b(c)(2) §60.116b(a)-(b) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i) [G]§60.485(b)	§60.115b [G]§60.115b(c) §60.116b(a)-(b)	[G]§60.113b(c)(1) §60.115b
14	T-806	1-Kb1	VOC	§60.116b(a)-(b) §60.116b(c)-(d) §60.116b(e), (e)(1) §60.116b(e)(2), (e)(2)(i)	§60.116b(a)-(b) §60.116b(c)	§60.116b(d)

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
14	T-806	OP-UA3	4a-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i) §60.112b(a)(1)(ii)(B) §60.112b(a)(1)(iii)-(ix)
14	T-806	OP-UA3	4-Kb1	VOC	40 CFR Part 60, Subpart Kb	§60.112b(a)(1) §60.112b(a)(1)(i) §60.112b(a)(1)(ii)(C) §60.112b(a)(1)(iii)-(ix)
7	GRPTK12	OP-UA3	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§115.111(a)(1)
11	GRPBGD	OP-UA4	115-5L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(5)(B) 1 § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii)
11	GRPBGD	OP-UA4	115-5UL	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(a)(5)(B) 2 §115.214(a)(3)(C), (a)(3)(G) §115.214(a)(3)(G)(i) §115.217(a)(5)(B)(i)
11	GRPBGD	OP-UA4	115-6L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.212(a)(6)(A) §115.212(a)(6)(B) [G]§115.212(a)(6)(C) §115.212(a)(6)(D) [G]115.214(a)(3)(A) §115.214(a)(3)(C)-(E)
11	GRPBGD	OP-UA4	115-6UL	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(a)(5)(B) 2 §115.214(a)(3)(C), (a)(3)(G) §115.214(a)(3)(G)(i) §115.217(a)(5)(B)(i)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
14	T-806	4a-Kb1	VOC	§60.113b(a)(1), [G](a)(3), (a)(4) §60.113b(a)(5) §60.116b(a)-(b) §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) §60.115b(a)(4)
14	T-806	4-Kb1	VOC	§60.113b(a)(1), (a)(2), (a)(4) §60.113b(a)(5) §60.116b(a)-(b) §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)(2) §60.113b(a)(5) §60.115b, (a)(1) §60.115b(a)(3)
7	GRPTK12	115B-1	VOC	[G]§115.117	§115.118(a)(1), (a)(5) §115.118(a)(6)(A), (a)(7)	None
11	GRPBGD	115-5L	VOC	§ 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2)	None
11	GRPBGD	115-5UL	VOC	§115.214(a)(3)(B), (a)(3)(B)(i)	§115.216 §115.216(2)	None
11	GRPBGD	115-6L	VOC	[G]§115.214(a)(3)(A) §115.214(a)(3)(B), (a)(3)(B)(i) §115.214(a)(3)(B)(ii), (a)(3)(B)(iii) §115.214(a)(3)(D) §115.215, (1), [G](2), (4)-(5), (7)-(10) §115.216(1) §115.216(1)(A), (1)(A)(iv)	[G]§115.214(a)(3)(A) §115.214(a)(3)(D) §115.216 §115.216(1) §115.216(1)(A), (1)(A)(iv), (2) [G]§115.216(4)	None
11	GRPBGD	115-6UL	VOC	§115.214(a)(3)(B), (a)(3)(B)(i)	§115.216 §115.216(2)	None

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPBGD	OP-UA4	115-7L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.212(a)(6)(A) §115.212(a)(6)(B) [G]§115.212(a)(6)(C) §115.212(a)(6)(D) [G]115.214(a)(3)(A) §115.214(a)(3)(C)-(E)
11	GRPBGD	OP-UA4	115-7UL	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(a)(5)(B) 2 §115.214(a)(3)(C), (a)(3)(G) §115.214(a)(3)(G)(i) §115.217(a)(5)(B)(i)
11	GRPSD	OP-UA4	115-5L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(5)(B) 1 § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii)
11	GRPSD	OP-UA4	115-5UL	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(a)(5)(B) 2 §115.214(a)(3)(C), (a)(3)(G) §115.214(a)(3)(G)(i) §115.217(a)(5)(B)(i)
11	GRPSD	OP-UA4	115-6L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.212(a)(6)(A) §115.212(a)(6)(B) [G]§115.212(a)(6)(C) §115.212(a)(6)(D) [G]115.214(a)(3)(A) §115.214(a)(3)(C)-(E)
11	GRPSD	OP-UA4	115-6UL	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(a)(5)(B) 2 §115.214(a)(3)(C), (a)(3)(G) §115.214(a)(3)(G)(i) §115.217(a)(5)(B)(i)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
11	GRPBGD	115-7L	VOC	[G]§115.214(a)(3)(A) §115.214(a)(3)(B), (a)(3)(B)(i) §115.214(a)(3)(B)(ii), (a)(3)(B)(iii) §115.214(a)(3)(D) §115.215, (1), [G](2), (4)-(5), (7)-(10) §115.216(1) §115.216(1)(A), (1)(A)(iv)	[G]§115.214(a)(3)(A) §115.214(a)(3)(D) §115.216 §115.216(1) §115.216(1)(A), (1)(A)(iv), (2) [G]§115.216(4)	None
11	GRPBGD	115-7UL	VOC	§115.214(a)(3)(B), (a)(3)(B)(i)	§115.216 §115.216(2)	None
11	GRPSD	115-5L	VOC	§ 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2)	None
11	GRPSD	115-5UL	VOC	§115.214(a)(3)(B), (a)(3)(B)(i)	§115.216 §115.216(2)	None
11	GRPSD	115-6L	VOC	[G]§115.214(a)(3)(A) §115.214(a)(3)(B), (a)(3)(B)(i) §115.214(a)(3)(B)(ii), (a)(3)(B)(iii) §115.214(a)(3)(D) §115.215, (1), [G](2), (4)-(5), (7)-(10) §115.216(1) §115.216(1)(A), (1)(A)(iv)	[G]§115.214(a)(3)(A) §115.214(a)(3)(D) §115.216 §115.216(1) §115.216(1)(A), (1)(A)(iv), (2) [G]§115.216(4)	None
11	GRPSD	115-6UL	VOC	§115.214(a)(3)(B), (a)(3)(B)(i)	§115.216 §115.216(2)	None

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

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPSD	OP-UA4	115-7L	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.212(a)(6)(A) §115.212(a)(6)(B) [G]§115.212(a)(6)(C) §115.212(a)(6)(D) [G]115.214(a)(3)(A) §115.214(a)(3)(C)-(E)
11	GRPSD	OP-UA4	115-7UL	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§115.217(a)(5)(B) 2 §115.214(a)(3)(C), (a)(3)(G) §115.214(a)(3)(G)(i) §115.217(a)(5)(B)(i)
11	GRPBGD	OP-UA4	BB-8L	Benzene	40 CFR Part 61, Subpart BB	[G]§61.302(a) §61.302(b), (f), (g), (k) §61.302(j)
11	GRPSD	OP-UA4	BB-8L	Benzene	40 CFR Part 61, Subpart BB	[G]§61.302(a) §61.302(b), (f), (g), (k) §61.302(j)
13	B-1	OP-UA6	63DDDD-1	112(B) HAPs	40 CFR Part 63, Subpart DDDDD	§63.7500(a)(1)-Table 3.1 2 §63.7500(a)(1), (a)(3) §63.7505(a) §63.7540(a), [G](a)(10), (a)(12)-(13)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
11	GRPSD	115-7L	VOC	[G]§115.214(a)(3)(A) §115.214(a)(3)(B), (a)(3)(B)(i) §115.214(a)(3)(B)(ii), (a)(3)(B)(iii) §115.214(a)(3)(D) §115.215, (1), [G](2), (4)-(5), (7)-(10) §115.216(1) §115.216(1)(A), (1)(A)(iv)	[G]§115.214(a)(3)(A) §115.214(a)(3)(D) §115.216 §115.216(1) §115.216(1)(A), (1)(A)(iv), (2) [G]§115.216(4)	None
11	GRPSD	115-7UL	VOC	§115.214(a)(3)(B), (a)(3)(B)(i)	§115.216 §115.216(2)	None
11	GRPBGD	BB-8L	Benzene	§61.302(k) §61.303(a), (a)(1) §61.304(a)(1)-(2) §61.304(a)(4) §61.304(a)(4)(i) §61.304(a)(4)(ii)-(iv) §61.304(a)(5)-(7) §61.304(d)(1)-(3) §61.304(e)	§61.304(a)(4)(i), (d)(3) §61.305(a), [G](a)(1), (b), (b)(1)	§61.305(a), (a)(5), (b), (b)(1) §61.305(f), (f)(1)
11	GRPSD	BB-8L	Benzene	§61.302(k) §61.303(a), (a)(1) §61.304(a)(1)-(2) §61.304(a)(4) §61.304(a)(4)(i) §61.304(a)(4)(ii)-(iv) §61.304(a)(5)-(7) §61.304(d)(1)-(3) §61.304(e)	§61.304(a)(4)(i), (d)(3) §61.305(a), [G](a)(1), (b), (b)(1)	§61.305(a), (a)(5), (b), (b)(1) §61.305(f), (f)(1)
13	B-1	63DDDDD-1	112(B) HAPs	§63.7515(d) §63.7525(a)(7) §63.7540(a), [G](a)(10)	§63.7555(a), (a)(1) §63.7560(a)-(c)	§63.7530(e), (f) §63.7545(a)-(c), [G](e) §63.7550(a), [G](b)-(c), [G](h)

Applicable Requirements Summary
Form OP-REQ3 (Page 1)
Federal Operating Permit Program

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
13	B-2	OP-UA6	63DDDDD-1	112(B) HAPs	40 CFR Part 63, Subpart DDDDD	§63.7500(a)(1)-Table 3.1 2 §63.7500(a)(1), (a)(3) §63.7505(a) §63.7540(a), [G](a)(10), (a)(12)-(13)
4	FL-MARINE1	OP-UA35	117-1	NOx	30 TAC Chapter 117, Subchapter B	§117.310(d)(3) §117.310(a), [G](a)(16), (b), [G](e)(1), (e)(2) [G]§117.310(e)(3), (e)(4) §117.340(l)(2), (p)(1), (p)(2)(C), (p)(3)
4	FL-MARINE1	OP-UA35	117-1	CO	30 TAC Chapter 117, Subchapter B	§117.310(c)(1) 1 §117.310(c)(1)(B)
5	FL-MARINE2	OP-UA35	117-1	NOx	30 TAC Chapter 117, Subchapter B	§117.310(d)(3) §117.310(a), [G](a)(16), (b), [G](e)(1), (e)(2) [G]§117.310(e)(3), (e)(4) §117.340(l)(2), (p)(1), (p)(2)(C), (p)(3)
5	FL-MARINE2	OP-UA35	117-1	CO	30 TAC Chapter 117, Subchapter B	§117.310(c)(1) 1 §117.310(c)(1)(B)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
13	B-2	63DDDDD-1	112(B) HAPs	§63.7515(d) §63.7525(a)(7) §63.7540(a), [G](a)(10)	§63.7555(a), (a)(1) §63.7560(a)-(c)	§63.7530(e), (f) §63.7545(a)-(c), [G](e) §63.7550(a), [G](b)-(c), [G](h)
4	FL-MARINE1	117-1	NOx	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a) §117.340(l)(2), (o)(1), (p)(1) §117.340(p)(2)(A)-(C) §117.8000(b)-(c), (c)(1), (c)(3) §117.8000(c)(5)-(6), [G](d)	§117.345(a), (f), (f)(1), (f)(9)	§117.335(b), (g) §117.340(p)(2)(D) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(D) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
4	FL-MARINE1	117-1	CO	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a) §117.8000(b)-(c), (c)(2) §117.8000(c)(3), (c)(5)-(6) [G]§117.8000(d)	§117.345(a), (f), (f)(1), (f)(9)	§117.335(b), (g) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(B) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
5	FL-MARINE2	117-1	NOx	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a) §117.340(l)(2), (o)(1), (p)(1) §117.340(p)(2)(A)-(C) §117.8000(b)-(c), (c)(1), (c)(3) §117.8000(c)(5)-(6), [G](d)	§117.345(a), (f), (f)(1), (f)(9)	§117.335(b), (g) §117.340(p)(2)(D) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(D) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
5	FL-MARINE2	117-1	CO	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a) §117.8000(b)-(c), (c)(2) §117.8000(c)(3), (c)(5)-(6) [G]§117.8000(d)	§117.345(a), (f), (f)(1), (f)(9)	§117.335(b), (g) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(B) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)

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

Table 1a: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
6	VC-1000	OP-UA35	117-1	NOx	30 TAC Chapter 117, Subchapter B	§117.310(d)(3) §117.310(a), [G](a)(16), (b), [G](e)(1), (e)(2) [G]§117.310(e)(3), (e)(4) §117.340(l)(2), (p)(1), (p)(2)(C), (p)(3)
6	VC-1000	OP-UA35	117-1	CO	30 TAC Chapter 117, Subchapter B	§117.310(c)(1) 1 §117.310(c)(1)(B)

**Applicable Requirements Summary
Form OP-REQ3 (Page 2)
Federal Operating Permit Program**

Table 1b: Additions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
6	VC-1000	117-1	NOx	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a) §117.340(l)(2), (o)(1), (p)(1) §117.340(p)(2)(A)-(C) §117.8000(b)-(c), (c)(1), (c)(3) §117.8000(c)(5)-(6), [G](d)	§117.345(a), (f), (f)(1), (f)(9)	§117.335(b), (g) §117.340(p)(2)(D) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(D) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)
6	VC-1000	117-1	CO	[G]§117.335(a)(1), (a)(4), (b) §117.335(d), (e), (g) §117.340(a) §117.8000(b)-(c), (c)(2) §117.8000(c)(3), (c)(5)-(6) [G]§117.8000(d)	§117.345(a), (f), (f)(1), (f)(9)	§117.335(b), (g) [G]§117.345(b)-(c) §117.8010, [G](1), (2), (2)(A)-(B) [G]§117.8010(3), (4), [G](5) §117.8010(6), [G](7)

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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)
14	T-803	OP-UA3	60KB-2	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)
12	GRPBGD	OP-UA4	115-6L1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(6)(A) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(D) § 115.214(a)(3)(E) § 60.18

**Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program**

Table 2b: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
14	T-803	60KB-2	VOC	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
12	GRPBGD	115-6L1	VOC	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(B)	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) [G]§ 115.216(4)	None

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPBGD	OP-UA4	115-7L1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(6)(A) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(D) § 115.214(a)(3)(E) § 60.18

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
12	GRPBGD	115-7L1	VOC	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(B)	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) [G]§ 115.216(4)	None

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPDM	OP-UA4	115-2LG1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.211(1) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.212(a)(3)(E) § 115.212(a)(4)(A) § 115.212(a)(4)(B) § 115.212(a)(4)(C) § 115.214(a)(1)(B) § 115.214(a)(1)(C) § 60.18

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
12	GRPDM	115-2LG1	VOC	§ 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(4)(C) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii) § 115.214(a)(2) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(6) § 115.215(9) § 115.216(1) § 115.216(1)(B)	§ 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B) [G]§ 115.216(3)(E)	None

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPSD	OP-UA4	115-6L1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(6)(A) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(D) § 115.214(a)(3)(E) § 60.18
12	GRPSD	OP-UA4	115-7L1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(6)(A) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(D) § 115.214(a)(3)(E) § 60.18

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
12	GRPSD	115-6L1	VOC	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(B)	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) [G]§ 115.216(4)	None
12	GRPSD	115-7L1	VOC	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(B)	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) [G]§ 115.216(4)	None

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPTR	OP-UA4	115-2L1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(1) § 115.212(a)(1)(A) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(ii) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.212(a)(3)(E) § 115.214(a)(1)(B) § 115.214(a)(1)(C) § 60.18
12	GRPTR	OP-UA4	115-2LG1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.211(1) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.212(a)(3)(E) § 115.212(a)(4)(A) § 115.212(a)(4)(B) § 115.212(a)(4)(C) § 115.214(a)(1)(B) § 115.214(a)(1)(C) § 60.18

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
12	GRPTR	115-2L1	VOC	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(9) § 115.216(1) § 115.216(1)(B)	§ 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None
12	GRPTR	115-2LG1	VOC	§ 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(4)(C) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii) § 115.214(a)(2) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(6) § 115.215(9) § 115.216(1) § 115.216(1)(B)	§ 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B) [G]§ 115.216(3)(E)	None

Applicable Requirements Summary
Form OP-REQ3 (Page 3)
Federal Operating Permit Program

Table 2a: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

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	GRPTR	OP-UA4	R-3L1	TOC	40 CFR Part 63, Subpart R	§ 63.422(a) § 60.502(a) § 60.502(d) § 60.502(g) § 60.502(h) § 60.502(i) § 63.11 § 63.422(b) § 63.427(b)
12	GRPBGD	OP-UA4	BB-8L1	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 60.18 § 61.302(b) § 61.302(c) § 61.302(f) § 61.302(g) § 61.302(j) § 61.302(k)
12	GRPSD	OP-UA4	BB-8L1	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 60.18 § 61.302(b) § 61.302(c) § 61.302(f) § 61.302(g) § 61.302(j) § 61.302(k)
12	GRPTR	OP-UA4	BB-8L1	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 60.18 § 61.302(b) § 61.302(c) § 61.302(f) § 61.302(g) § 61.302(h) § 61.302(i) § 61.302(k)

Applicable Requirements Summary
Form OP-REQ3 (Page 4)
Federal Operating Permit Program

Table 2b: Deletions

Date: 05/17/2024	Regulated Entity No.: RN100225093	Permit No.: 01068
Company Name: Vopak Terminal Deer Park, Inc.	Area Name: Vopak Terminal Deer Park	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
12	GRPTR	R-3L1	TOC	§ 60.503(a) § 60.503(b) § 60.503(d) § 60.503(d)(1) § 60.503(d)(2) § 63.425(a) § 63.425(a)(2) § 63.427(a) § 63.427(a)(4)	§ 60.503(d)(2) § 63.428(c)(1) § 63.428(c)(2) [G]§ 63.428(c)(2)(ii) [G]§ 63.428(k)	[G]§ 63.428(c)(2)(ii) [G]§ 63.428(k)
12	GRPBGD	BB-8L1	Benzene	§ 61.302(k) § 61.303(b) § 61.304(b) § 61.304(d)(1) § 61.304(d)(2) § 61.304(d)(3) § 61.304(e)	§ 61.304(d)(3) § 61.305(a) § 61.305(a)(2) § 61.305(b) § 61.305(e)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(f) § 61.305(f)(1) § 61.305(f)(4)
12	GRPSD	BB-8L1	Benzene	§ 61.302(k) § 61.303(b) § 61.304(b) § 61.304(d)(1) § 61.304(d)(2) § 61.304(d)(3) § 61.304(e)	§ 61.304(d)(3) § 61.305(a) § 61.305(a)(2) § 61.305(b) § 61.305(e)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(f) § 61.305(f)(1) § 61.305(f)(4)
12	GRPTR	BB-8L1	Benzene	§ 61.302(k) § 61.303(b) § 61.304(b) § 61.304(c)(1) § 61.304(c)(2) § 61.304(c)(3) § 61.304(c)(4) § 61.304(e)	§ 61.304(c)(3) § 61.305(a) § 61.305(a)(2) § 61.305(b) § 61.305(e)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(f) § 61.305(f)(1) § 61.305(f)(4)

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

I. Identifying Information		
Account No.: HG-0629-I	RN No.: RN100225093	CN: CN601178734
Permit No: O1068	Project No.: TBD	
Area Name: Vopak Terminal Deer Park		
Company Name: Vopak Terminal Deer Park, Inc.		
II. Unit/Emission Point/Group/Process Information		
Revision No.: 4, 5, 6		
Unit/EPN/Group/Process ID No.: FL-MARINE1, FL-MARINE2, VC-1000		
Applicable Form: OP-UA35		
III. Applicable Regulatory Requirement		
Name: 30 TAC 117 Subchapter B		
SOP/GOP Index No.: 117-1		
Pollutant: CO		
Main Standard: 117.310(c)(1)		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: It shall be considered a deviation if combustion temperature falls below 1400°F or the temperature determined by the most recent stack test.		
IV. Control Device Information		
Control Device ID No.:		
Device Type:		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: Combustion Temperature / Exhaust Gas Temperature		Minimum Frequency: once per week

I. Identifying Information
Averaging Period: N/A
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. Establish a minimum combustion temperature using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.

Basis of Monitoring:
 It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.

CO emissions result from incomplete combustion in a vapor combustor. This can occur if the device runs at fuel-rich conditions or if the flame zone temperature is depressed. These same conditions would also result in a reduced VOC DRE. For a device which functions both as a combustion device and as a thermal VOC control device, VOC DRE and in-stack CO concentration are reasonable surrogates for each other. Attached is a technical reference illustrating how CO and unburned HC emissions in gasoline engines trend together as the air:fuel ratio is reduced. The same dynamic would apply for a vapor combustor.

Based on these considerations, the most appropriate periodic monitoring for CO should be the same monitoring requirements that apply for VOC DRE.

Flame and Combustion

J. A. BARNARD

DSc, PhD, BSc, DIC, ARCS, CEng, FICHEME

*Sometime Newton Drew Professor of
Chemical Engineering and Fuel Technology,
University of Sheffield*

and

The late J. N. BRADLEY

DSc, PhD, FRSC

*Professor of Chemistry,
University of Essex*

SECOND EDITION



LONDON
NEW YORK

Chapman and Hall

equilibrium



is established and this is followed by the linear chain steps



There is also a contribution from



Thus, nitric oxide is formed mainly in the post-flame gases where the O atom concentration and the temperature are high. There are appreciable concentration gradients across the combustion chamber and nitric oxide concentrations are especially high around the sparking plug where the temperature remains high for the longest period.

Kinetic factors, rather than equilibrium considerations, control nitric oxide levels in the exhaust gas. Reaction 13.7 has a high activation energy (303 kJ mol^{-1}) in the forward direction and consequently any reduction in the flame temperature sharply reduces the rate of nitric oxide formation. For this reason, injection of water into the combustion chamber of both spark-ignition and diesel engines has been suggested as a means of reducing nitric oxide levels in exhaust gases. Very considerable reductions in nitric oxide emissions have been achieved in this way [193,194], but at present the economic penalties accompanying the additional complications have prevented its wide adoption on a commercial scale.

The nitric oxide concentration in the exhaust gases depends on the mixture composition and reaches a peak on the lean side of stoichiometric. Unfortunately, this conflicts with the optimum conditions for carbon monoxide formation (Fig. 13.3).

There is growing evidence for another path to nitric oxide formation, the so-called *prompt-NO* mechanism [206]. Although the matter is far from being fully resolved at the present time the mechanism probably involves HCN which has been detected in hydrocarbon flames. This compound may be formed by either



or



Distinguishing between these alternatives is difficult because in the

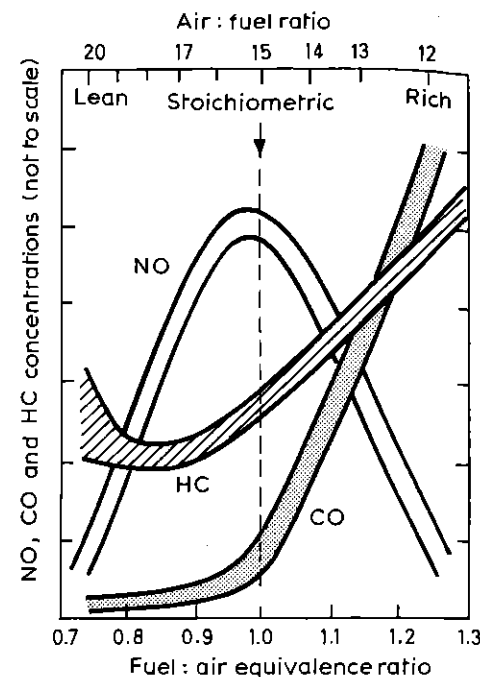
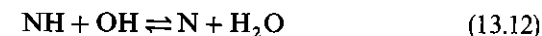
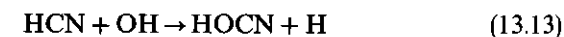


Fig. 13.3 Variation of HC, CO and NO concentration in the exhaust of a conventional SI engine with fuel-air equivalence ratio. HC = unburned hydrocarbon (after Heywood [196]).

flame the N and NH concentrations will be balanced by the equilibrium



and a further possibility is that both Reactions 13.10 and 13.11 occur. CN species do not form NO directly. The first step is probably



followed by the conversion of HOCN to HNCO and eventually species of the type NH_i ($i=0-3$) which are oxidized to NO [207]. If this pathway is substantiated, it may account for the 'excess' nitric oxide which cannot be explained by the Zeldovich mechanism.

(c) Unburned hydrocarbons

Exhaust gases are commonly said to contain unburned hydrocarbons. In fact, with spark-ignition engines there is little correspondence