

Mark McDonald

From: Mark McDonald
Sent: Thursday, October 16, 2025 2:24 PM
To: 'Kuehn, Adam'
Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.
Attachments: SOP - O1386 MOTIVA Enterprises LLC (Minor, 37602) Draft.pdf

Adam,
Yes, I received your undated 8404 table on 9/23/2025. Attached is the updated SOP draft to double check.

Let me know if you have any questions.
Regards,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>
Sent: Thursday, October 16, 2025 1:59 PM
To: Mark McDonald <Mark.McDonald@tceq.texas.gov>
Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Mark,

I confirm that 168869 and 169339 are cancelled and rolled into NSR Permit 8404. I will prepare an updated OP-CRO1 and will attach for submittal in STEERS. Also, the NSR table for 8404 had a lot of changes. Were all those changes incorporated in the permit?

Thanks,

Adam Kuehn
Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com
Office: 1.409.971.4679

MOTIVA

From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Thursday, October 16, 2025 1:15 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Importance: High

Adam,

This project has been through our QAQC and management approval process and is ready to move to public announcement.

I had to make two minor changes, which I **will need your confirmation** on relating to the PCP permit term and active PCP permits on the following OP-REQ1 pages:

- Page 86 question XII.B.2, should be “No” as Ch 116 State Pollution Control Projects (PCP’s) are no longer valid. Both were checked, but only the nonruled PCP is active and reflected on the form, which inserts the permit terms.
- Page 89 XII table H, I needed to remove PCP permits 168869 and 169339, which were rolled into NSR amendments on permit 8404.

Now we just need to certify all the changes made after the initial application was received. There are three ways to do this after the Title V STEERS updates.

- Submit an updated [OP-CRO1](#) sent via STEERS will only need company info. and the **date range, (July 8, 2025 to October 14, 2025)** but not need a wet signature, because it will be signed electronically from the RO.

Please review and provide confirmation via email and submit a final OP-CRO1 in STEERS at your earliest opportunity, but no later than **October 22, 2025**.

Let me know if you have any questions.

Regards,

Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Thursday, October 9, 2025 4:35 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Mark:

I changed the GHG date to 9/19/2025. Also, found no issues with 56287.

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679



From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Thursday, October 9, 2025 10:02 AM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

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

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,

I believe you had mentioned that only date changed for the GHG permits, so I've attached the Major NSR table previously submitted with the dates matching the new permit face.

Additionally, I've attached the table for NSR 56287 & PSD, which was also submitted earlier, for a quick final review.

I am addressing the final QAQC comments and preparing for management's final review.

If everything goes well, I will be requesting a final OP-CRO1 soon.

Let me know if you have any questions.

Regards,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Thursday, October 2, 2025 3:33 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

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

Subject: FW: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Mark,

Please see the attached updated Major NSR summary table for 8404. All special condition numbers were off by 3 after Special Condition 11 and the addition of the Thermal Oxidizer to the permit. I have adjusted the submittal accordingly. Also, changes such as removals or additions have been incorporated. I also attached a copy of the newly amended 8404 for your reference.

Thanks,
Adam

From: Kuehn, Adam
Sent: Monday, September 29, 2025 12:38 PM
To: 'Mark McDonald' <Mark.McDonald@tceq.texas.gov>
Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Mark,

Please see the updated Major NSR summary table for 6056. I am still working on the table for 8404, permit amendment had many changes. We complete soon.

Thanks,
Adam

From: Mark McDonald <Mark.McDonald@tceq.texas.gov>
Sent: Tuesday, September 23, 2025 10:23 AM
To: Kuehn, Adam <adam.kuehn@Motiva.Com>
Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,
I believe that OP-REQ1 page looks good. Just get me updated Major NSR summary tables for 6056 and 8404 with any new totals or conditions. At the top just have the match the permit face to the current permits and/or dates.

I'm double checking with management, but I believe this is the best way to move forward.

Thanks,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>
Sent: Tuesday, September 23, 2025 9:41 AM
To: Mark McDonald <Mark.McDonald@tceq.texas.gov>
Subject: FW: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Mark:

New questions: With the issuance of Permit 8404. PSDTX1062M4 is now M5 in this permit. Also, PSDTX1534M1 is now M2 in this permit. This creates the same confusion. Also, do the GHG permits date change to the latest 8404 update? I updated the attached OP-REQ1 as they did.

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679

MOTIVA

From: Kuehn, Adam

Sent: Tuesday, September 23, 2025 9:20 AM

To: 'Mark McDonald' <Mark.McDonald@tceq.texas.gov>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Mark:

Yesterday, we received the updated Permit 8404 with the new PSD numbers (See attachment). I need help on what action I do next? I will send in an updated OP-REQ-1 with the updated information today.

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679

MOTIVA

From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Friday, September 5, 2025 5:42 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

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

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,

I will have to double check on how to reflect NSR permit 8404 being moved from the PSD Permit faces to permit 6056. It appears that you may have to revise the Major NSR permit table to reflect the changes and possible removal of 8404. Did some of the major units switch from 8404 to 6056?

I have reviewed page 88 of the OP-REQ1, Section H dates and matched up the new major NSR permit documents. The PCP 179202 approval date of 3/7/2025 was on the original but dropped off the new submittal. (see the end of this email.)

The following are the final issues that must be addressed:

- Updated Major NSR Summary table addressing recent changes from new MAERT tables and dates. (This may need further discussions and verifications.)
- Updated page 88 of the OP-REQ1, Section H.

Please review and contact me or submit updates or at your earliest opportunity, but no later than **September 19, 2025**.

Let me know if you have any questions.

Regards,
Mark

A Permit Is Hereby Issued To
Motiva Enterprises LLC
Authorizing the Construction and Operation of
Port Arthur Refinery
Located at Port Arthur, Jefferson County, Texas
Latitude 29.883333 Longitude -93.958333



Permits: 6056, GHGPSDTX156, PSDTX1062M4,
PSDTX1534M1, and GHGPSDTX121M1
Revision Date: July 17, 2025
Expiration Date: June 18, 2029

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the

Texas Commission on Environmental Quality Air Quality Permit

A Permit Is Hereby Issued To
Motiva Enterprises LLC
Authorizing the Continued Operation of
Port Arthur Refinery
Located at Port Arthur, Jefferson County, Texas
Latitude 29.883333 Longitude -93.958333

Permit: 56287 and PSDTX1404

Issuance Date: February 25, 2025
Expiration Date: February 25, 2035

For the Commission

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
08/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSDTX1062M4	07/17/2025		GHGPSDTX156	07/17/2025	
PSDTX1404	02/25/2025				
PSDTX1534M1	07/17/2025				
GHGPSDTX121M1	07/17/2025	✓			

If PSD Permits are held for the application area, please complete the Major NSR Summary Table located under the

Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

◆ **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.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
6056	01/28/2022	165961	08/25/2021		
8404	02/04/2020	168869	05/26/2022		
54322	09/22/2021	169339	07/05/2022		
56287	06/01/2018	179303	3/1/25		

◆ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
83	09/12/1989	106 261	11/01/2003	106 511	09/04/2000

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Wednesday, August 27, 2025 3:15 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

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

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Please review the final working draft permit (WDP) and let me know if you have any additional comments at your earliest opportunity, but no later than **September 3, 2025**.

No comments on the working draft permit. 1741 has the correct Periodic Monitoring Requirements.

- Additionally, there are two small issues that need to be resolved with the Pre-Construction Authorizations (PCA's). I have reviewed the TCEQ system, the effective permit, and submitted page 88 of the OP-REQ1 (see below and are not in this WDP.) Per our conversation, please check your records, as they could be the original PSDTX permit before later modifications (M1 – etc) and are not currently on the effective permit.

See Attached update. The PSD Permits were altered on 07/17/2025.

- This issue does carry over to Major NSR Summary Table, which will need to be updated. These are highlighted in the WDP.

For the NSR Permit 6056, All PSD, and All GHG the date of 7/17/2025 is correct, recent alteration. However, Permit 8404 has not been amended or altered or renewed since 02/04/2020, so I am not sure how to correct that on the NSR Table.

NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1					Issuance Date: 07/17/2025		
FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M4, and PSDTX1534M1					Issuance Date: 02/04/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements	

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156					Issuance Date: 7/17/2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements	

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679

MOTIVA

From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Thursday, August 21, 2025 6:39 PM

To: Kelley Oswalt <kelley.oswalt@trinityconsultants.com>; Kuehn, Adam <adam.kuehn@Motiva.Com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,

I have completed the technical updates. Additionally, there are two small issues that need to be resolved with the Pre-Construction Authorizations (PCA's). I have reviewed the TCEQ system, the effective permit, and submitted page 88 of the OP-REQ1 (see below and are not in this WDP.) Per our conversation, please check your records, as they could be the original PSDTX permit before later modifications (M1 – etc) and are not currently on the effective permit.

- This issue does carry over to Major NSR Summary Table, which will need to be updated. These are highlighted in the WDP.

I will wait to ask for a final OP-CRO1 until after this project has been through the QAQC process and before the PNAP issued, in case additional information is needed.

Regards,

Mark

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSDTX1062M4	02/05/2025	←	GHGPSDTX156	02/05/2025	
PSDTX1404	02/25/2025		PSDTX1062M1	02/04/2020	
PSDTX1534M1	02/05/2025	←	PSDTX1534	02/04/2020	
GHGPSDTX121M1	02/05/2025				

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

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

Major NSR Summary Table

Permit Numbers: <u>8404</u> , <u>PSDTX1062M3</u> , and <u>PSDTX1534</u>					Issuance Date: <u>02/04/2020</u>		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
					Special	Special	Special

Major NSR Summary Table							
Permit Numbers: <u>6056</u> , <u>PSDTX1062M4</u> , and PSDTX1534M1					Issuance Date: <u>02/05/2025</u>		
			Air	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements

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 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 Announcement Authorization.

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

Sent: Wednesday, August 6, 2025 2:42 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>; Mark McDonald <Mark.McDonald@tceq.texas.gov>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Hi Mark,

The updated OP-MON for TK01741 is attached.

Please let us know if you need anything else to make this change.

Thanks!

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

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Wednesday, August 6, 2025 10:11 AM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

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

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Mark:

First, I apologize for the confusion concerning the OP-MON for Tank 1741. However, I will have to make a last-minute change. After discussions with my LDAR group and operations, we are currently conducting the following monitoring already on Tank 1741 and the CVS. A change is not required from its current KA

CVS OP-MON requirements as found in the TV permit now. I will send an updated Tank 1741 using the pre-approved monitoring options for this tank. The alternative PVRV requirement is not needed, the pre-approved will work and demonstrate compliance.

Under TCEQ's pre-approved [monitoring options](#), I think the closest is using PM-V-058 and PM-V-059 for the closed vent system.

VOC Continued	UNITS WITH A CONTROL DEVICE: VAPOR COLLECTION SYSTEM		
	1. VOC Concentration; and	Measure and record fugitive emissions from the vapor collection system in accordance with 40 CFR Part 60, Appendix A, Method 21.	once per year
	Visual Inspection	Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	once per year
	UNITS WITH A CONTROL DEVICE: FLARE		

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679



From: Kuehn, Adam

Sent: Monday, August 4, 2025 1:05 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Cc: Kelley Oswalt <kelly.oswalt@trinityconsultants.com>; Patel, Jit <Jit.Patel@Motiva.com>; Begnaud, Jason <Jason.Begnaud@Motiva.com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Mark:

Approve the OP-MON

PVRV is a Pressure Vacuum Relief Valve

The set point of the PVRV, 0.86 in H₂O, is set at or below the maximum allowable working pressure to prevent over pressurization and tank damage. This set point is calculated based on engineered standards by a process equipment engineer. The calculation uses the tank's design pressure, maximum allowable working pressure, and operating pressure to determine the set point. The engineer then provides the calculated PVRV set point to the PVRV manufacturer who mechanically sets the PVRV. Short answer: API Engineering Standards

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679



From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Thursday, July 31, 2025 5:02 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

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

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,

Please see our comments in red, which are just to clarify in the permit. Additionally, in your response email, please let me know where the PVRV reading greater than 0.86 in H2O is coming from? Is it from the manufacturers recommend data or performance testing data? We will need to include your response in the Statement of Basis (SOB) for the PM.

I updated the UA3 for tank TK01508 and based on the update, no PM will be needed. After I receive the approval for the updated OP-MON, I will just need to reconcile a few of the PSD permit approval dates with permit face/or approval letters and associated NSR permit.

Let me know if you have any questions.

Regards,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Friday, July 25, 2025 2:44 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

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

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Mark:

I have attached the updated OP-UA3 with the updated attributes for Tank TK01508.

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679



From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Wednesday, July 23, 2025 11:18 AM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,

For tank **TK01508** all I would need is an updated OP-UA3 with the updated attributes. The selections provided translates into which citations are applicable and if periodic monitoring is required. Typically, the lighter / higher vapor pressure will pull in more monitoring citations.

On **TK01741**, if the pre-approved options (PM-V-058 & PM-V-059) are not feasible for the operation at Motiva, it can be a case-by-case for whatever the company is doing to ensure the VRU is operating to meet the Ch 115 standard.

I thought we discussed that the company monitors pressure drop in the lines, which may be acceptable and the company would need to include a frequency to achieve the percentage level of VOC's that meets the rule. All case-by-case PM's are approved by the Section Technical Specialist, but the company can propose a case-by-case with whatever fits best for them and ensures the unit is meeting the rule.

Let me know if you would like to discuss this in more detail over the phone.

Regards,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Wednesday, July 23, 2025 7:51 AM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Good morning, Mark:

Thank you for your quick response. First, I just received updated information on Tank 1508 that could change its applicability. The tank stores a material with a vapor pressure of 0.2059 psia at 100 F. According to operations, the Tank does not store material greater than 1.5 psia. When Mr. Smith, my

predecessor, was completing the forms, he believed that Tank 1508 would eventually store lighter material, this apparently was incorrect. Let me know how to proceed to correct.

Furthermore, an additional follow-up question from my operations group, for visual inspection you stated below it would apply from the tank to the vapor recovery device. For Tank 1741 a vacuum line leaves the tank then connects to a large header line also under a vacuum then eventually to a compressor. The large header line is vent gas from all other the refinery and could be roughly miles of line until the compressor. Their question could the visual inspection be interpreted from the tank to that overall control header line.

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679



From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Tuesday, July 22, 2025 4:32 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

OK, thanks and I'll look to see what other case-by-case PM's for pressure drop in similar situations.

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Tuesday, July 22, 2025 4:25 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Thanks Mark, I will probably be submitting an update to our OP-SUM for Tank 1741 to reflect the observation PM.

From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Tuesday, July 22, 2025 4:16 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Adam,

The visual inspection would only apply to the closed vent system from the tank to the vapor recovery device.

Thanks,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>

Sent: Tuesday, July 22, 2025 12:43 PM

To: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Mark:

For the 115 requirement concerning Tank 1741, does the PM that states Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions. Does that mean the entire system at the facility or just the controls on the tank and the line from the tank to vapor recovery that connects the tank to it?

Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com

Office: 1.409.971.4679



From: Mark McDonald <Mark.McDonald@tceq.texas.gov>

Sent: Friday, July 11, 2025 4:28 PM

To: Kuehn, Adam <adam.kuehn@Motiva.Com>

Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

Afternoon Adam,

Since both tanks were touched on this permit, the system does a check on the entire unit which resulted as being applicable to Ch 115.112(a)(1).

- The tank TKO1508 updated Ch 115 to SFP1 = Tank using a submerged fill pipe.
- Tank TK01741 already had Ch 115 - VRS1 = Tank using a vapor recovery system (VRS), but the RRT may have been undated since the last renewal, so periodic monitoring (PM) has been flagged.

TCEQ has two pre-approved monitoring options for these scenarios.

Figure: 30 TAC §115.112(a)(1)

Table I(a): Required Control for a Storage Tank Storing Volatile Organic Compounds (VOC) Other than Crude Oil and Condensate

True Vapor Pressure (pounds per square inch absolute (psia))	Storage Capacity (gallon (gal))	Control Requirements
≥ 1.5 psia and < 11 psia	> 1,000 gal and ≤ 25,000 gal	Submerged fill pipe or Vapor control system
≥ 1.5 psia and < 11 psia	> 25,000 gal and ≤ 40,000 gal	Internal floating <u>roof</u> [cover], or External floating roof (any type), or Vapor control system
≥ 1.5 psia and < 11 psia	> 40,000 gal	Internal floating <u>roof</u> [cover], or External floating roof with primary seal (any type) and secondary seal, or Vapor control system
≥ 11 psia	> 1,000 gal and ≤ 25,000 gal	Submerged fill pipe or Vapor control system
≥ 11 psia	> 25,000 gal	Submerged fill pipe and Vapor control system

Let me know if you have any other questions.

Regards,
Mark

From: Kuehn, Adam <adam.kuehn@Motiva.Com>
Sent: Friday, July 11, 2025 2:56 PM
To: Mark McDonald <Mark.McDonald@tceq.texas.gov>
Subject: RE: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

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Mr. McDonald:

Thank you for your email. I plan to respond as requested by July 22, 2025. Question: Why do Tanks TK01508 and TK01741 need periodic monitoring requirements for Chapter 115? Currently, no other tanks in the permit have such requirements. I may be missing something because I am just picking up this project from Chris. Just curious.

Again Thanks,

Adam Kuehn

Environmental Technical Team Leader
2555 Savannah Avenue, Port Arthur, TX 77640

Email: adam.kuehn@motiva.com
Office: 1.409.971.4679



From: Mark McDonald <Mark.McDonald@tceq.texas.gov>
Sent: Tuesday, July 8, 2025 6:07 PM
To: Kuehn, Adam <adam.kuehn@Motiva.Com>
Subject: [EXTERNAL]Working Draft Permit O1386 Title V Permit MOTIVA Enterprises LLC, Project 37602 / Minor Revision.

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This email originated from outside of the Motiva organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. NEVER give out your user ID or password!

Mr. Kuehn:

I have completed the Working Draft Permit (WDP) for your Federal Operating Permit (FOP) Minor Revision issuance permit application of Permit No. O1386 for MOTIVA Enterprises LLC / Port Artur Refinery.

Please review the WDP and submit any comments you have at your earliest opportunity, but no later than **July 22, 2025**.

In addition, the following issues must be addressed:

- Submit a Monitoring Requirements form [OP-MON](#) for emission unit **TK01508** index **R5111-a1**, to add periodic monitoring for the Ch 115.
- Submit a Monitoring Requirements form [OP-MON](#) for emission unit **TK01741** index **R5112-05**, to add periodic monitoring for the Ch 115.
- The permit shield request for revisions 1, 5, 6 on the Submitted [OP-REQ2](#) were denied, because adding or modifying are not allowed in Minor Revision. These will be added to your permit but will not be granted until your next renewal or significant revision. Only removal of Permit Shields is permitted, so revisions 8, 9, and 10 were completed. **See submitted OP-REQ2 or page 53 of your pdf application.**
- Submit a new [OP-APCS](#) Part I, as it appears that all milestones have been completed and are eligible to be removed.
- The authorization numbers/versions and the related issuance dates currently indicated in the NSR database, do not match the submitted OP-REQ1 page 89. (attached) Please confirm the proper authorization/version and associated issuance date that should be incorporated into the Title V permit as part of this minor revision.
- Please review your Major NSR Summary table and submit any updates as Word table for any applicable changes, and approval date.

Let me know if you have any questions or if you wish to discuss any other details regarding your permit.

Regards,
Mark

Review the second portion of the “SOP Technical Review Fact Sheet” located at [TCEQ - Site Operating Permit \(SOP\) Technical Review Fact Sheet](#) 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 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 Announcement Authorization.



Mark McDonald
Operating Permits Section
Air Permits Division, Office of Air,
Texas Commission on Environmental Quality (TCEQ)
(512) 239-1357

[How is our customer service?](#)

mark.mcdonald@tceq.texas.gov

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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: RN100209451
CN: CN600124051
Account No.: JE0095D
Permit No.: O1386
Project No.: 37602
Area Name: Port Arthur Refinery
Company Name: Motiva Enterprises LLC
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

IV. Certification of Truth

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

I, Jody Moffett certify that I am the Responsible Official (RO)
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 7/8/2025 to 10/14/2025
(Start Date) *(End Date)*

Specific Dates: _____
(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

(Date 5) *(Date 6)*

Signature: _____ Signature Date: 10/21/2025

Title: Vice President and General Manager

Major NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1						Issuance Date: July 17, 2025		
Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
VDCU2	VDCU2	Delayed Coking Unit 2 Vent	VOC	55.00	55.00	73, 83	73, 83	73
			PM	1.76	1.76	73, 83	73, 83	73
			PM ₁₀	1.76	1.76	73, 83	73, 83	73
			PM _{2.5}	1.76	1.76	73, 83	73, 83	73
			SO ₂	0.02	0.02	73, 83	73, 83	73
			H ₂ S	3.63	3.63	73, 83	73, 83	73
FCOKE2	COKE 2FE	DCU Coke Handling (5)	PM	0.01	0.01	42, 44, 45	44, 45, 67	45
			PM ₁₀	0.01	0.01	42, 44, 45	44, 45, 67	45
			PM _{2.5}	0.01	0.01	42, 44, 45	44, 45, 67	45
FCOKE X	COKE X FE	Coke Stockpile Surge Pad (5)	PM	0.33	1.45	42, 44, 45	44, 45, 67	45
			PM ₁₀	0.17	0.72	42, 44, 45	44, 45, 67	45
			PM _{2.5}	0.17	0.72	42, 44, 45	44, 45, 67	45
FKCRU5 FE	CRU5 FE	#5 CRU Cooling Tower	VOC	2.31	4.34	34, 73	34, 67, 73	73
			PM	1.65	7.23	34	34, 67	
			PM ₁₀	1.38	6.03	34	34, 67	
			PM _{2.5}	0.01	0.02	34	34, 67	
FKDCU2 FE	DCU2 FE	DCU 2 Cooling Tower	VOC	1.71	3.21	34, 73	34, 67, 73	73
			PM	1.22	5.36	34	34, 67	
			PM ₁₀	1.02	4.47	34	34, 67	
			PM _{2.5}	0.01	0.01	34	34, 67	
FKPS 4 FE	PS 4 FE	Power Station Cooling Tower	PM	0.23	0.99	34	34, 67	
			PM ₁₀	0.14	0.62	34	34, 67	
			PM _{2.5}	0.01	0.01	34	34, 67	
FKVPS 5 FE	VPS 5 FE	VPS Cooling Tower	VOC	1.64	3.07	34, 73	34, 67, 73	73

Major NSR Summary Table

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			PM	1.17	5.13	34	34, 67	
			PM ₁₀	0.98	4.28	34	34, 67	
			PM _{2.5}	0.01	0.01	34	34, 67	
FKARU3	ARU3 FE	ARU No. 3 Cooling Tower (5)	VOC	0.11	0.21	34	34, 67	34
			PM	0.08	0.36	34	34, 67	
			PM ₁₀	0.07	0.30	34	34, 67	
			PM _{2.5}	0.01	0.01	34	34, 67	
FKARU4	ARU 4 FE	ARU No. 4 Cooling Tower (5)	VOC	0.47	0.89	34, 73	34, 67, 73	34, 73
			PM	0.34	0.30	34	34, 67	
			PM ₁₀	0.28	0.25	34	34, 67	
			PM _{2.5}	0.01	0.01	34	34, 67	
EDCU2	EDCU2	DCU No. 2 Flare Stack	NO _x	0.03	0.11	5	5	
			VOC	0.01	0.01	5	5	
			SO ₂	0.01	0.01	5	5	
			CO	0.18	0.81	5	5	
EHCU2	HCU NO2FS	HCU No. 2 Flare Stack	NO _x	0.02	0.09	5	5	
			VOC	0.01	0.01	5	5	
			SO ₂	0.01	0.01	5	5	
			CO	0.15	0.64	5	5	
EVPS5	VPS NO5 FS	VPS No. 5 Flare Stack	NO _x	0.02	0.07	5	5	
			VOC	0.01	0.01	5	5	
			SO ₂	0.01	0.01	5	5	
			CO	0.11	0.48	5	5	
ESBU2	SBU2	SBU2 Flare Stack	NO _x	0.02	0.07	5	5	

Major NSR Summary Table

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			VOC	0.01	0.01	5	5	
			SO ₂	0.01	0.01	5	5	
			CO	0.11	0.48	5	5	
FARU1	ARU 1 FE	ARU No. 1 Fugitive Emissions	VOC	0.30	0.81	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.22	0.96	36	36	
			NH ₃	0.01	0.01	37	37	
FARU2	ARU2 FE	ARU No. 2 Fugitive Emissions	VOC	0.24	0.51	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.11	0.48	36	36	
FARU3	ARU 3 FE	ARU No.3 Fugitive Emissions	VOC	0.24	0.54	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.08	0.37	36	36	
FSWS1	ARU 3 FE	ARU No.3 Fugitive Emissions	VOC	0.03	0.08	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.18	0.79	36	36	
			NH ₃	0.01	0.01	37	37	
			MDEA	0.04	0.17			
FARU4	ARU 4 FE	ARU No.4 Fugitive Emissions	VOC	0.14	0.16	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.04	0.17	36	36	
FSRU2	SRU 2 FE	SRU No.2 Fugitive Emissions	SO ₂	0.01	0.04	37	37	
			H ₂ S	0.01	0.05	36	36	
FSRU3	SRU 3 FE	SRU No.3 Fugitive Emissions	SO ₂	0.01	0.04	37	37	
			H ₂ S	0.01	0.05	36	36	
FSRU4	SRU 4 FE	SRU No.4 Fugitive Emissions	SO ₂	0.06	0.24	37	37	
			H ₂ S	0.06	0.26	36	36	
FSBU1	FSBU1	Sulfur Block Unit 1 Fugitives	VOC	0.14	0.63			
FSWS2	ARU 5 FE	ARU No. 5 Fugitive	VOC	0.01	0.01	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18

Major NSR Summary Table

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Emissions	H ₂ S	0.25	1.11	36	36	
			NH ₃	0.01	0.01	37	37	
FARU5	ARU 5 FE	ARU No. 5 Fugitive Emissions	VOC	0.05	0.24	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.07	0.33	36	36	
FSWS3	ARU 6 FE	ARU No. 6 Fugitive Emissions	VOC	0.01	0.01	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.25	1.11	36	36	
			NH ₃	0.01	0.01	37	37	
FARU6	ARU 6 FE	ARU No. 6 Fugitive Emissions	VOC	0.04	0.18	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			H ₂ S	0.08	0.37	36	36	
FVPS5	VPS NO 5 FE	VPS No. 5 Ammonia Fugitives	NH ₃	0.03	0.11	37	37	
FPS4	PS 4 PE	PS 4 Ammonia Fugitives	NH ₃	0.03	0.14	37	37	
CEP-FUG	Various	Fugitives Group	VOC	37.88	166.25	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			SO ₂	0.02	2.57	37	37	
			CO	0.02	8.62			
			H ₂ S	0.72	0.34	36	36	
FTGTU1	TGTU 1 FE	Tail Gas Treating Unit No.1 Incinerator Fugitives	VOC	0.04	0.17			
			SO ₂	0.01	0.03	10, 37	10, 37, 48, 67	48
			CO	0.01	0.06	10	10, 48, 67	48
			H ₂ S	0.02	0.08	10, 36	10, 36, 48, 67	48
			MDEA	0.04	0.17			
FTGTU2	TGTU 2 FE	Tail Gas Treating Unit No.2	VOC	0.20	0.35			
			SO ₂	0.01	0.03	10, 37	10, 37, 48, 67	48

Major NSR Summary Table

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Incinerator Fugitives	CO	0.02	0.07	10	10, 48, 67	48
			H ₂ S	0.02	0.08	10, 36	10, 36, 48, 67	48
			MDEA	0.04	0.17			
SCRU5-1	CRU5INTHT1	#5 CRU Platformer No.1 Intermediate Heater	NO _x	17.33	42.66	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	2.67	2.30	10, 46, 47, 58, 59	47, 67	47
			SO ₂	18.44	37.82	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	16.94	58.41	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	3.69	12.71	10, 46, 58, 59	67	
			PM ₁₀	3.69	12.71	10, 46, 58, 59	67	
			PM _{2.5}	3.69	12.71	10, 46, 58, 59	67	
SCRU5-2	CRU5INTHT2	#5 CRU Platformer No.2 Intermediate Heater	NO _x	12.39	27.51	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.91	1.48	10, 46, 47, 58, 59	47, 67	47
			SO ₂	13.19	24.39	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	12.12	37.67	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	2.64	8.20	10, 46, 58, 59	67	
			PM ₁₀	2.64	8.20	10, 46, 58, 59	67	
			PM _{2.5}	2.64	8.20	10, 46, 58, 59	67	
SCRU5-2	CRU5INTHT3	#5 CRU Platformer No.3 Intermediate Heater	NO _x	7.70	21.04	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.19	1.13	10, 46, 47, 58, 59	47, 67	47
			SO ₂	8.20	18.65	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	7.53	28.81	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	1.64	6.27	10, 46, 58, 59	67	
			PM ₁₀	1.64	6.27	10, 46, 58, 59	67	
			PM _{2.5}	1.64	6.27	10, 46, 58, 59	67	

Major NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1						Issuance Date: July 17, 2025		
Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SNHTU2-1	NHTU2CHT	Naphtha Hydrotreater CHG Heater	NO _x	7.25	19.88	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.12	2.14	10, 46, 47, 58, 59	47, 67	47
			SO ₂	7.71	17.63	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	7.09	27.22	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	1.54	5.93	10, 46, 58, 59	67	
			PM ₁₀	1.54	5.93	10, 46, 58, 59	67	
			PM _{2.5}	1.54	5.93	10, 46, 58, 59	67	
SCRU5-1	CRU5PLATHT	#5 CRU Platformer Heater	NO _x	13.93	38.15	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	2.15	2.06	10, 46, 47, 58, 59	47, 67	47
			SO ₂	14.83	33.82	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	13.62	52.23	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	2.97	11.37	10, 46, 58, 59	67	
			PM ₁₀	2.97	11.37	10, 46, 58, 59	67	
			PM _{2.5}	2.97	11.37	10, 46, 58, 59	67	
SHCU2-1	HCU2H1A	HCU No.2 1 st Stage Charge Set A Heater	NO _x	2.32	6.66	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			VOC	0.36	0.72	10, 46, 47, 58, 59	47, 67	47
			SO ₂	2.47	5.91	6, 10, 46, 47, 48, 55, 56, 58, 59	47, 48, 56, 67	47, 48
			CO	2.27	9.12	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			PM	0.49	1.99	10, 46, 58, 59	67	
			PM ₁₀	0.49	1.99	10, 46, 58, 59	67	
			PM _{2.5}	0.49	1.99	10, 46, 58, 59	67	

Major NSR Summary Table

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SHCU2-2	HCU2H1B	HCU No.2 1 st Stage Charge Set B Heater	NO _x	2.32	6.66	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			VOC	0.36	0.72	10, 46, 47, 58, 59	47, 67	47
			SO ₂	2.47	5.91	6, 10, 46, 47, 48, 55, 56, 58, 59	47, 48, 56, 67	47, 48
			CO	2.27	9.12	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			PM	0.49	1.99	10, 46, 58, 59	67	
			PM ₁₀	0.49	1.99	10, 46, 58, 59	67	
			PM _{2.5}	0.49	1.99	10, 46, 58, 59	67	
SHCU2-3	HCU2H2	HCU No.2 2 nd Charge Heater	NO _x	2.94	8.46	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			VOC	0.45	0.91	10, 46, 47, 58, 59	47, 67	47
			SO ₂	3.13	7.50	6, 10, 46, 47, 48, 55, 56, 58, 59	47, 48, 56, 67	47, 48
			CO	2.88	11.58	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			PM	0.63	2.52	10, 46, 58, 59	67	
			PM ₁₀	0.63	2.52	10, 46, 58, 59	67	
			PM _{2.5}	0.63	2.52	10, 46, 58, 59	67	
SHTU6-1	HTU6CHGH1	HTU No.6 Charge Heater	NO _x	3.82	11.06	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			VOC	0.59	1.04	10, 46, 47, 58, 59	47, 67	47
			SO ₂	4.07	9.89	6, 10, 46, 47, 48, 55, 56, 58, 59	47, 48, 56, 67	47, 48
			CO	3.73	15.16	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			PM	0.81	3.32	10, 46, 58, 59	67	
			PM ₁₀	0.81	3.32	10, 46, 58, 59	67	
			PM _{2.5}	0.81	3.32	10, 46, 58, 59	67	

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SHTU6-2	HTU6CHGH2	HTU No.6 Fractionator Reboiler	NO _x	2.51	7.22	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			VOC	0.39	0.78	10, 46, 47, 58, 59	47, 67	47
			SO ₂	2.67	6.40	6, 10, 46, 47, 48, 55, 56, 58, 59	47, 48, 56, 67	47, 48
			CO	2.46	9.88	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			PM	0.53	2.15	10, 46, 58, 59	67	
			PM ₁₀	0.53	2.15	10, 46, 58, 59	67	
			PM _{2.5}	0.53	2.15	10, 46, 58, 59	67	
SHCU2-6	HCU2DHTH1	HCU No.2 DHT Charge Heater	NO _x	3.13	9.00	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			VOC	0.48	0.97	10, 46, 47, 58, 59	47, 67	47
			SO ₂	3.34	7.98	6, 10, 46, 47, 48, 55, 56, 58, 59	47, 48, 56, 67	47, 48
			CO	3.07	12.33	10, 11, 46, 47, 48, 58, 59	47, 48, 67	47, 48
			PM	0.67	2.68	10, 46, 58, 59	67	
			PM ₁₀	0.67	2.68	10, 46, 58, 59	67	
			PM _{2.5}	0.67	2.68	10, 46, 58, 59	67	
SHCU2-5	SCHCU2-5	HCU No.2 Fractionator Heater	NO _x	16.28	71.28	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	2.51	5.49	10, 46, 47, 58, 59	47, 67	47
			SO ₂	17.32	22.57	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	15.92	69.72	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	3.46	15.18	10, 46, 58, 59	67	
			PM ₁₀	3.46	15.18	10, 46, 58, 59	67	
			PM _{2.5}	3.36	15.18	10, 46, 58, 59	67	

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SDCU2-1	SDCU2-1	Coker Heater No.1	NO _x	9.42	36.58	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.45	1.41	10, 46, 47, 58, 59	47, 67	47
			SO ₂	10.02	23.16	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	9.21	35.77	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	2.00	7.79	10, 46, 58, 59	67	
			PM ₁₀	2.00	7.79	10, 46, 58, 59	67	
			PM _{2.5}	2.00	7.79	10, 46, 58, 59	67	
SDCU2-2	SDCU2-2	Coker Heater No.2	NO _x	9.42	36.58	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.45	1.41	10, 46, 47, 58, 59	47, 67	47
			SO ₂	10.02	23.16	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	9.21	35.77	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	2.00	7.79	10, 46, 58, 59	67	
			PM ₁₀	2.00	7.79	10, 46, 58, 59	67	
			PM _{2.5}	2.00	7.79	10, 46, 58, 59	67	
SDCU2-3	SDCU2-3	Coker Heater No.3	NO _x	9.42	36.58	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.45	1.41	10, 46, 47, 58, 59	47, 67	47
			SO ₂	10.02	23.16	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	9.21	35.77	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	2.00	7.79	10, 46, 58, 59	67	
			PM ₁₀	2.00	7.79	10, 46, 58, 59	67	
			PM _{2.5}	2.00	7.79	10, 46, 58, 59	67	

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SVPS5-1	VPS5H1/2	VPS No.5, No.1/2 Atmospheric Heater	NO _x	14.32	9.65	10, 11, 12, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	2.21	4.63	10, 46, 47, 58, 59	47, 67	47
			SO ₂	15.24	38.02	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	14.00	58.72	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	3.05	12.78	10, 46, 58, 59	67	
			PM ₁₀	3.05	12.78	10, 46, 58, 59	67	
			PM _{2.5}	3.05	12.78	10, 46, 58, 59	67	
			NH ₃	1.53	6.42	10, 12, 46, 55, 58, 59	67	
SVPS5-1	VPS5H3/4	VPS No.5, No.3/4 Atmospheric Heater	NO _x	14.32	9.65	10, 11, 12, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	2.21	4.63	10, 46, 47, 58, 59	47, 67	47
			SO ₂	15.24	38.02	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	14.00	58.72	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	3.05	12.78	10, 46, 58, 59	67	
			PM ₁₀	3.05	12.78	10, 46, 58, 59	67	
			PM _{2.5}	3.05	12.78	10, 46, 58, 59	67	
			NH ₃	1.53	6.42	10, 12, 46, 55, 58, 59	67	
SVPS5-2	VPS5VAC1HT	VPS No.5, No.1 Vacuum Heater	NO _x	7.56	5.10	10, 11, 12, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.16	2.44	10, 46, 47, 58, 59	47, 67	47
			SO ₂	8.05	20.09	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	7.39	31.02	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	1.61	6.75	10, 46, 58, 59	67	
			PM ₁₀	1.61	6.75	10, 46, 58, 59	67	
			PM _{2.5}	1.61	6.75	10, 46, 58, 59	67	

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			NH ₃	0.81	3.39	10, 12, 46, 55, 58, 59	67	
SVPS5-2	VPS5VAC2HT	VPS No.5, No.2 Vacuum Heater	NO _x	7.56	5.10	10, 11, 12, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.16	2.44	10, 46, 47, 58, 59	47, 67	47
			SO ₂	8.05	20.09	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	7.39	31.02	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	1.61	6.75	10, 46, 58, 59	67	
			PM ₁₀	1.61	6.75	10, 46, 58, 59	67	
			PM _{2.5}	1.61	6.75	10, 46, 58, 59	67	
			NH ₃	0.81	3.39	10, 12, 46, 55, 58, 59	67	
SNHTU2-2	NHTU2STRP	Naphtha Hydrotreater Stripper Reboiler	NO _x	6.51	17.92	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.00	1.93	10, 46, 47, 58, 59	47, 67	47
			SO ₂	6.93	15.89	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	6.37	24.53	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	1.39	5.34	10, 46, 58, 59	67	
			PM ₁₀	1.39	5.34	10, 46, 58, 59	67	
			PM _{2.5}	1.39	5.34	10, 46, 58, 59	67	
SNHTU2-3	NHTU2SPLT	Naphtha Hydrotreater Stripper Reboiler	NO _x	10.40	28.32	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	1.60	3.05	10, 46, 47, 58, 59	47, 67	47
			SO ₂	11.06	25.11	6, 10, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			CO	10.17	38.78	10, 11, 46, 47, 55, 56, 58, 59	47, 56, 67	47, 56
			PM	2.21	8.44	10, 46, 58, 59	67	
			PM ₁₀	2.21	8.44	10, 46, 58, 59	67	
			PM _{2.5}	2.21	8.44	10, 46, 58, 59	67	

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
STGTU1-2	STGTU1-2	Hot Oil Heater	NO _x	0.53	1.21	10	10, 48, 67	48
			VOC	0.03	0.07	10	10, 48, 67	48
			SO ₂	0.20	0.27	10	10, 48, 67	48
			CO	0.43	1.00	10	10, 48, 67	48
			PM	0.04	0.09	10	10, 48, 67	
			PM ₁₀	0.04	0.09	10	10, 48, 67	
			PM _{2.5}	0.04	0.09	10	10, 48, 67	
STGTU2-2	STGTU2-2	Hot Oil Heater	NO _x	3.12	13.67	10	10, 48, 67	48
			VOC	0.17	0.74	10	10, 48, 67	48
			SO ₂	1.16	3.03	10	10, 48, 67	48
			CO	2.57	11.25	10	10, 48, 67	48
			PM	0.23	1.02	10	10, 48, 67	
			PM ₁₀	0.23	1.02	10	10, 48, 67	
			PM _{2.5}	0.23	1.02	10	10, 48, 67	
SCRU5-3	CRU5-CCR	Regen Vent Scrubber Emissions	NO _x	2.28	10.00			
			SO ₂	1.59	6.96			
			PM	0.13	0.59			
			PM ₁₀	0.13	0.59			
			PM _{2.5}	0.13	0.59			
			HCl	0.07	0.30	49	49	
			Cl ₂	0.01	0.06	49	49	
SSSCRUB	SLD	Sulfur Loading	H ₂ S	0.16	0.71	25	25, 67	
			SO ₂	0.31	1.34			

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
POSCEPMN	POSCEPMN	Maintenance Group After CEP (6)	NO _x	1061.43	30.06	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			VOC	3,933.30	97.33	61, 62, 74, 75, 76	58, 61, 62, 65, 67, 74, 75, 76, 77, 78	
			SO ₂	806.78	44.99	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			CO	3,091.26	126.70	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			PM	66.98	1.51	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			PM ₁₀	66.98	1.51	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			PM _{2.5}	66.98	1.51	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			H ₂ SO ₄	8.00	0.32	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			H ₂ S	29.42	0.44	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
			NH ₃	13.84	0.43	61, 62, 76	58, 61, 62, 65, 67, 76, 77, 78	
CGNGRP	CGNGRP	Cogen Unit Group(6)	NO _x	74.21	272.81	12, 35, 46, 47, 48, 55, 58, 59, 80	47, 67, 71, 80	47, 71
			VOC	10.64	39.55	35, 47, 48, 58, 59, 80	47, 67, 71, 80	47, 71
			SO ₂	56.00	161.45	6, 46, 47, 48, 55, 58, 59, 80	47, 67, 71, 80	47, 71
			CO	117.82	516.03	12, 35, 46, 47, 48, 55, 58, 59, 80	47, 67, 71, 80	47, 71
			PM	101.87	391.33	46, 47, 48, 58, 59, 80	47, 67, 71, 80	47, 71
			PM ₁₀	25.00	92.00	46, 47, 48, 58, 59, 80	47, 67, 71, 80	47, 71
			PM _{2.5}	25.00	92.00	46, 47, 48, 58, 59, 80	47, 67, 71, 80	47, 71

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				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			H ₂ SO ₄	32.00	58.69	47, 48, 80	47, 67, 71, 80	47, 71
			NH ₃	29.83	113.39	12, 46, 47, 48, 55, 58, 59, 80	47, 67, 71, 80	47, 71
TNKGRP	TNKGRP	Tank Group (6)	VOC	69.00	40.20	3, 71, 72, 73	3, 67, 71, 72, 73	71, 72, 73
SRUGRP	SRUGRP	SRU Incinerators Group (6)	NO _x	29.15	109.56	20, 21, 22, 23, 25	22	
			VOC	1.86	7.08	20, 21, 22, 23, 25	22	
			SO ₂	162.45	711.53	6, 20, 21, 22, 23, 24, 25	22, 23, 24	
			CO	56.86	236.54	20, 21, 22, 23, 25	22	
			PM	2.58	9.78	20, 21, 22, 23, 25	22	
			PM ₁₀	2.58	9.78	20, 21, 22, 23, 25	22	
			PM _{2.5}	2.58	9.78	20, 21, 22, 23, 25	22	
SPS-LOV1	GTG41-LOV	Power Station No.4 Lube Oil Vent 1 (5)	PM	0.05	0.22			
			PM ₁₀	0.05	0.22			
			PM _{2.5}	0.05	0.22			
SPS4-1	GTG41	Power Station No.4 Cogen Unit 1	NO _x	15.22	62.87	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			VOC	2.12	8.75	10, 35, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			SO ₂	16.60	32.48	6, 10, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			CO	27.80	114.81	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM ₁₀	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM _{2.5}	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			H ₂ SO ₄	9.41	18.40	10, 47, 48, 80	47, 48, 67, 71, 80	47, 48, 71
			NH ₃	7.88	27.88	10, 12, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71

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				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SPS-LOV2	GTG42-LOV	Power Station No.4 Lube Oil Vent 2 (5)	PM	0.05	0.22			
			PM ₁₀	0.05	0.22			
			PM _{2.5}	0.05	0.22			
SPS4-2	GTG42	Power Station No.4 Cogen Unit 2	NO _x	15.22	62.87	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			VOC	2.12	8.75	10, 35, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			SO ₂	16.60	32.48	6, 10, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			CO	27.80	114.81	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM ₁₀	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM _{2.5}	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			H ₂ SO ₄	9.41	18.40	10, 47, 48, 80	47, 48, 67, 71, 80	47, 48, 71
			NH ₃	7.88	27.88	10, 12, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
SPS-LOV3	GTG43-LOV	Power Station No.4 Lube Oil Vent 3 (5)	PM	0.05	0.22			
			PM ₁₀	0.05	0.22			
			PM _{2.5}	0.05	0.22			
SPS4-3	GTG43	Power Station No.4 Cogen Unit 3	NO _x	15.22	62.87	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			VOC	2.12	8.75	10, 35, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			SO ₂	16.60	32.48	6, 10, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			CO	27.80	114.81	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71

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Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			PM ₁₀	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM _{2.5}	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			H ₂ SO ₄	9.41	18.40	10, 47, 48, 80	47, 48, 67, 71, 80	47, 48, 71
			NH ₃	7.88	27.88	10, 12, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
SPS-LOV4	GTG44-LOV	Power Station No.4 Lube Oil Vent 4 (5)	PM	0.05	0.22			
			PM ₁₀	0.05	0.22			
			PM _{2.5}	0.05	0.22			
SPS4-4	GTG44	Power Station No.4 Cogen Unit 4	NO _x	15.22	62.87	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			VOC	2.12	8.75	10, 35, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			SO ₂	16.60	32.48	6, 10, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			CO	27.80	114.81	10, 12, 35, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM ₁₀	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			PM _{2.5}	26.62	100.65	10, 46, 47, 48, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
			H ₂ SO ₄	9.41	18.40	10, 47, 48, 80	47, 48, 67, 71, 80	47, 48, 71
			NH ₃	7.88	27.88	10, 12, 46, 47, 48, 55, 58, 59, 80	47, 48, 67, 71, 80	47, 48, 71
SPS4-6	Boiler 46	Power Boiler 46	NO _x	20.86	39.16	10, 11, 12, 46, 47, 55, 58, 59	47, 56, 67, 71	47, 56, 71
			VOC	3.21	7.04	10, 47, 58, 59	47, 67, 71	47, 71
			SO ₂	22.20	57.86	6, 10, 46, 47, 55, 58, 59	47, 56, 67, 71	47, 56, 71
			CO	20.40	89.36	10, 11, 46, 47, 55, 58, 59	47, 56, 67, 71	47, 56, 71
			PM	4.44	19.45	10, 46, 58, 59	67, 71	71

Major NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1						Issuance Date: July 17, 2025		
Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			PM ₁₀	4.44	19.45	10, 46, 58, 59	67, 71	71
			PM _{2.5}	4.44	19.45	10, 46, 58, 59	67, 71	71
			NH ₃	2.23	9.77	10, 12, 46, 55, 58, 59	67, 71	71
TK2073	TK2073	Storage TK2073	VOC	8.41	0.11	3, 67, 71	3, 67, 71	71
TK2074	TK2074	Storage TK2074	VOC	8.41	0.11	3, 67, 71	3, 67, 71	71
TK2093	TK2093	Storage TK2093	VOC	11.89	9.03	3, 67, 73	3, 67, 73	73
TK2094	TK2094	Storage TK2094	VOC	6.55	6.32	3, 67, 73	3, 67, 73	73
TK2085	TK2085	Storage TK2085	VOC	8.68	0.06	3, 67, 71	3, 67, 71	71
TK2097	TK2097	Storage TK2097	VOC	1.64	6.26	3, 67, 73	3, 67, 73	73
TK2096	TK2096	Storage TK2096	VOC	1.64	6.26	3, 67, 73	3, 67, 73	73
TK2069	TK2069	Storage TK2069	VOC	4.60	11.39	3, 67, 73	3, 67, 73	73
TK2067	TK2067	Storage TK 2067	VOC	4.60	11.39	3, 67, 73	3, 67, 73	73
TK2068	TK2068	Storage TK 2068	VOC	4.60	11.39	3, 67, 73	3, 67, 73	73
TK2110	TK2110	DCU Quench Water Tank	VOC	0.01	0.10	3, 67	3, 67	
TK2111	TK2111	Refinery Waste Tank	VOC	0.70	0.19	3, 67, 73	3, 67, 73	73
TK2145	TK2145	Storage TK2145	VOC	1.14	4.17	3, 67, 71, 73	3, 67, 71, 73	71, 73
TK1928	TK1928	Molten Sulfur Storage Tank	H ₂ S	0.05	0.22	47, 48, 67	47, 48, 67	47, 48
			SO ₂	1.15	5.03	47, 48, 67	47, 48, 67	47, 48
TK1930	TK1930	Amine Surge Tank 1930	VOC	0.07	0.01	3, 27, 28, 67, 71	3, 27, 28, 67, 71	71
			H ₂ S	0.01	0.02			
			NH ₃	0.01	0.01			
TK1937	TK1937	Resid Tank	VOC	8.57	2.50	2, 67, 73	2, 67, 73	73
004TK001	004TK001	Storage Tank 004TK	VOC	0.03	0.01	3, 67	3, 67	

Major NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1						Issuance Date: July 17, 2025		
Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
208TK38629	TK38629	Storage Tank 208TK38629	VOC	24.85	2.73	2, 67	2, 67	
STGTU5-1	STGTU5-1	SRU5/TGTU5 Incinerator	NO _x	5.22	22.85	10, 20, 21, 22, 23, 48	22, 48, 67	48
			VOC	0.35	1.54	10, 20, 21, 22, 23, 48	22, 48, 67	48
			SO ₂	71.11	311.47	6, 10, 20, 21, 22, 23, 24, 48	22, 23, 24, 48, 67	48
			CO	12.44	54.51	10, 20, 21, 22, 23, 48	22, 48, 67	48
			PM	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
			PM ₁₀	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
			PM _{2.5}	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
STGTU6-1	STGTU6-1	SRU6/TGTU6 Incinerator	NO _x	5.22	22.85	10, 20, 21, 22, 23, 48	22, 48, 67	48
			VOC	0.35	1.54	10, 20, 21, 22, 23, 48	22, 48, 67	48
			SO ₂	71.11	311.47	6, 10, 20, 21, 22, 23, 24, 48	22, 23, 24, 48, 67	48
			CO	12.44	54.51	10, 20, 21, 22, 23, 48	22, 48, 67	48
			PM	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
			PM ₁₀	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
			PM _{2.5}	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
STGTU7-1	STGTU7-1	SRU7/TGTU7 Incinerator	NO _x	5.22	22.85	10, 20, 21, 22, 23, 48	22, 48, 67	48
			VOC	0.35	1.54	10, 20, 21, 22, 23, 48	22, 48, 67	48
			SO ₂	71.11	311.47	6, 10, 20, 21, 22, 23, 24, 48	22, 23, 24, 48, 67	48
			CO	12.44	54.51	10, 20, 21, 22, 23, 48	22, 48, 67	48
			PM	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
			PM ₁₀	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
			PM _{2.5}	0.49	2.13	10, 20, 21, 22, 23	22, 48, 67	
FPS3	PS No 3 FE	Power Station No.3 Fugitive Emissions	VOC	2.24	9.80	14, 15, 16, 17, 18	14, 15, 16, 17, 18	14, 15, 16, 17, 18
			NH ₃	0.03	0.14	37	37	

Major NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1						Issuance Date: July 17, 2025		
Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
STGTU1-1	TGTUINCINR	SRU1/TGTU1 Incinerator	NO _x	6.00	18.22	10, 20, 21, 22, 23, 48	22, 48, 67	48
			VOC	0.40	1.23	10, 20, 21, 22, 23, 48	22, 48, 67	48
			SO ₂	62.22	236.83	6, 10, 20, 21, 22, 23, 24, 48	22, 23, 24, 48, 67	48
			CO	10.89	41.45	10, 20, 21, 22, 23, 48	22, 48, 67	48
			PM	0.56	1.70	10, 20, 21, 22, 23	22, 48, 67	
			PM ₁₀	0.56	1.70	10, 20, 21, 22, 23	22, 48, 67	
			PM _{2.5}	0.56	1.70	10, 20, 21, 22, 23	22, 48, 67	
STGTU2-1	STGTU2-1	SRU2/TGTU1 Incinerator	NO _x	7.50	22.78	10, 20, 21, 22, 23, 48	22, 48, 67	48
			VOC	0.40	1.23	10, 20, 21, 22, 23, 48	22, 48, 67	48
			SO ₂	62.22	236.83	6, 10, 20, 21, 22, 23, 24, 48	22, 23, 24, 48, 67	48
			CO	10.89	41.45	10, 20, 21, 22, 23, 48	22, 48, 67	48
			PM	0.56	1.70	10, 20, 21, 22, 23	22, 48, 67	
			PM ₁₀	0.56	1.70	10, 20, 21, 22, 23	22, 48, 67	
			PM _{2.5}	0.56	1.70	10, 20, 21, 22, 23	22, 48, 67	
SPS3-4	SPS3-4	Boiler 34 (Normal and MSS Operation)	NO _x	117.40	514.20	7, 8, 9, 10, 50, 52, 53, 54, 66	68	54
			VOC	3.20	14.10	7, 8, 10, 50, 52	68	
			SO ₂	32.90	72.20	7, 8, 10, 50, 52	68	
			CO	49.00	214.60	7, 8, 10, 50, 52, 53, 54, 66	68	54
			PM ₁₀	8.19	22.40	7, 8, 10, 50, 51, 52	51, 68	
			PM _{2.5}	8.19	22.40	7, 8, 10, 50, 51, 52	51, 68	
SPS3-5	SPS3-5	Boiler 35 (Normal and MSS operation)	NO _x	117.40	514.20	7, 8, 9, 10, 50, 52, 53, 54, 66	68	54
			VOC	3.20	14.10	7, 8, 10, 50, 52	68	
			SO ₂	32.90	72.20	7, 8, 10, 50, 52	68	
			CO	49.00	214.60	7, 8, 10, 50, 52, 53, 54, 66	68	54

Major NSR Summary Table

Permit Numbers: 6056, PSDTX1062M4, and PSDTX1534M1						Issuance Date: July 17, 2025		
Emission Point No. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
				lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
			PM ₁₀	8.19	22.40	7, 8, 10, 50, 51, 52	51, 68	
			PM _{2.5}	8.19	22.40	7, 8, 10, 50, 51, 52	51, 68	

- (1) Emission point identification – either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 Cl₂ - chlorine
 H₂S - hydrogen sulfide
 NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations
- (6) Refer to Attachment 10 – Emission Groups for the specific EPNs, Facility Identification Numbers and source names included in each group.

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
VDCU1	Delayed Coking Unit 1 Vent	VOC	55.00	34.38	37,49	37,49	49
		PM	1.76	1.10	37,49	37,49	49
		PM ₁₀	1.76	1.10	37,49	37,49	49
		PM _{2.5}	1.76	1.10	37,49	37,49	49
		SO ₂	0.02	0.01	37,49	37,49	49
		H ₂ S	3.63	2.27	37,49	37,49	49
FKCRU4	CRU 4 Cooling Tower (5)	VOC	0.60	1.12	21, 49	21,45,49	49
		PM	0.43	1.87	20	20,45	
		PM ₁₀	0.33	1.45	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKFCCU1&2	Alky Cooling Tower (5)	VOC	1.89	3.55	21, 49	21,45,49	49
		PM	1.35	5.92	20	20,45	
		PM ₁₀	1.05	4.59	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKFCCU3	FCCU 3 Cooling Tower (5)	VOC	4.41	8.28	21, 49, 51	21, 45, 49, 51	49, 51
		PM	3.15	13.81	20	20,45	
		PM ₁₀	2.45	10.72	20	20,45	
		PM _{2.5}	0.01	0.03	20	20,45	
FK33PH	No. 33PH East Cooling Tower (5)	VOC	0.60	1.13	21, 49	21, 45, 49	49
		PM	0.43	1.89	20	20,45	
		PM ₁₀	0.33	1.46	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKDCU1	DCU 1 Cooling Tower (5)	VOC	0.88	1.66	21, 49	21, 45, 49	49
		PM	0.13	0.55	19	19, 45	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM ₁₀	0.10	0.43	19	19, 45	
		PM _{2.5}	0.01	0.01	19	19, 45	
FK33PH	No. 33PH West Cooling Tower (5)	VOC	0.06	0.11	21, 49	21, 45, 49	49
		PM	0.04	0.18	20	20, 45	
		PM ₁₀	0.03	0.14	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKMPU4	MPU No. 4 Cooling Tower (5)	VOC	0.92	1.73	21, 49	21, 45, 49	49
		PM	0.66	2.89	20	20,45	
		PM ₁₀	0.51	2.25	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKHTU1&2	HTU No. 1 and 2 Cooling Tower (5)	VOC	0.37	0.69	21, 49	21, 45, 49	49
		PM	0.26	1.14	20	20,45	
		PM ₁₀	0.20	0.89	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKHTU3	HTU No. 3 Cooling Tower (5)	VOC	0.13	0.25	21, 49	21, 45, 49	49
		PM	0.10	0.42	20	20,45	
		PM ₁₀	0.07	0.33	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKMPU3	MPU No. 3 Cooling Tower (5)	VOC	0.92	1.73	21, 49	21, 45, 49	49
		PM	0.66	2.89	20	20,45	
		PM ₁₀	0.51	2.25	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKHTU5	HTU5 Cooling Tower (5)	VOC	0.38	0.71	22, 49	22, 45, 49	22, 49
		PM	0.05	0.24	19	19, 45	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM ₁₀	0.05	0.18	19	19, 45	
		PM _{2.5}	0.01	0.01	19	19, 45	
FKVPS2	VPS No. 2 Cooling Tower (5)	VOC	1.13	2.13	21, 49	21, 45, 49	49
		PM	0.81	3.55	20	20,45	
		PM ₁₀	0.63	2.76	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
FKVPS4	VPS No. 4 Cooling Tower (5)	VOC	1.36	2.55	21, 49	21, 45, 49	49
		PM	0.97	4.25	20	20,45	
		PM ₁₀	0.75	3.30	20	20,45	
		PM _{2.5}	0.01	0.01	20	20,45	
Combustion Sources							
SFCCU3-2	FCCU No. 3 Regenerator	NO _x	149.00	256.09	9, 25, 41, 42, 45, 49, 51	9, 25, 41, 42, 45, 49, 51	45, 51
		VOC	20.63	90.35	9, 25, 41, 45, 49, 51	9, 25, 41, 45, 49, 51	38, 49, 51
		SO ₂	50.00	57.00	8, 9, 25, 38, 41, 42, 45, 49, 50, 51	8, 9, 25, 38, 41, 42, 45, 49, 50, 51	38, 42, 49, 51
		CO	415.87	1,821.49	9, 25, 41, 42, 45, 49, 51	9, 25, 41, 42, 45, 49, 51	42, 49, 51
		PM	71.17	311.71	9, 25, 38, 43, 45, 49, 50, 51	9, 25, 38, 43, 45, 49, 50, 51	38, 43, 49, 51
		PM ₁₀	30.00	100.00	9, 38, 43, 45, 49, 50, 51	9, 38, 43, 45, 49, 50, 51	38, 43, 49, 51
		PM _{2.5}	30.00	80.00	9, 38, 43, 45, 49, 50, 51	9, 38, 43, 45, 49, 50, 51	38, 43, 49, 51
		HCN	53.30	233.47	25, 38, 44, 49	25, 38, 44, 45, 49	25, 38, 49
SCRU4-1	Combined Heater Stack **	NO _x	47.47	178.23	9, 38, 39, 42 41, 42, 45	9, 38, 39, 42 41, 42, 45	42
		VOC	4.27	16.02	9, 45	9, 45	
		SO ₂	29.47	65.84	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CO	65.16	244.63	9, 45	9, 45	
		PM	5.90	22.13	9, 45	9, 45	
		PM ₁₀	5.90	22.13	9, 45	9, 45	
		PM _{2.5}	5.90	22.13	9, 45	9, 45	
SCDHDS1	CDHDS1 Heater	NO _x	4.38	14.06	9, 45, 51	9, 45, 51	51
		VOC	0.39	1.26	9, 45, 51	9, 45, 51	51
		SO ₂	2.72	5.19	8, 9, 41, 42, 45, 51	8, 9, 41, 42, 45, 51	42, 51
		CO	6.00	19.30	9, 45, 51	9, 45, 51	51
		PM	0.54	1.75	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.54	1.75	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.54	1.75	9, 45, 51	9, 45, 51	51
SFCCU3-1	FCCU 3 Charge Heater	NO _x	9.91	25.31	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.89	2.27	9, 45, 51	9, 45, 51	51
		SO ₂	6.15	9.35	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	13.60	34.74	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.23	3.14	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.23	3.14	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.23	3.14	9, 45, 51	9, 45, 51	51
SHCU1-1	HCU No. 1 Reactor No.1 Heater	NO _x	4.20	15.77	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.28	1.06	9, 45, 51	9, 45, 51	51
		SO ₂	1.96	4.37	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	4.32	16.23	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.39	1.47	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.39	1.47	9, 45, 51	9, 45, 51	51

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM _{2.5}	0.39	1.47	9, 45, 51	9, 45, 51	51
SHCU1-2	HCU No. 1 Reactor No.2 Heater	NO _x	5.32	19.97	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.36	1.35	9, 45, 51	9, 45, 51	51
		SO ₂	2.48	5.53	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	5.48	20.56	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.50	1.86	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.50	1.86	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.50	1.86	9, 45, 51	9, 45, 51	51
SHCU1-3	HCU No. 1 Preflash Boiler	NO _x	7.19	26.98	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.48	1.82	9, 45, 51	9, 45, 51	51
		SO ₂	3.35	7.48	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	7.40	27.77	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.67	2.51	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.67	2.51	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.67	2.51	9, 45, 51	9, 45, 51	51
SHCU1-4	HCU No. 1 Fractionator Boiler	NO _x	7.20	31.54	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.49	2.13	9, 45, 51	9, 45, 51	51
		SO ₂	3.35	8.74	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	7.41	32.46	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.67	2.94	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.67	2.94	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.67	2.94	9, 45, 51	9, 45, 51	51
SHTU2-1	HTU No. 2 Charge Heater	NO _x	3.78	14.19	9, 38, 45	9, 38, 45	38
		VOC	0.34	1.28	9,45	9, 45	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO ₂	2.35	5.24	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	5.19	19.48	9, 38, 45	9, 38, 45	38
		PM	0.47	1.76	9, 45	9, 45	
		PM ₁₀	0.47	1.76	9, 45	9, 45	
		PM _{2.5}	0.47	1.76	9, 45	9, 45	
SHTU2-2	HTU No. 2 Reboiler	NO _x	2.94	11.04	9, 38, 45	9, 38, 45	38
		VOC	0.26	0.99	9, 45	9, 45	
		SO ₂	1.83	4.08	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	4.04	15.15	9, 38, 45	9, 38, 45	38
		PM	0.37	1.37	9, 45	9, 45	
		PM ₁₀	0.37	1.37	9, 45	9, 45	
		PM _{2.5}	0.37	1.37	9, 45	9, 45	
SHTU3-1	HTU No. 3 Charge Heater	NO _x	4.21	15.79	9, 38, 45	9, 38, 45	38
		VOC	0.38	1.42	9, 45	9, 45	
		SO ₂	2.61	5.83	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	5.77	21.68	9, 38, 45	9, 38, 45	38
		PM	0.52	1.96	9, 45	9, 45	
		PM ₁₀	0.52	1.96	9, 45	9, 45	
		PM _{2.5}	0.52	1.96	9, 45	9, 45	
SHTU3-2	HTU No. 3 Reboiler	NO _x	4.23	14.48	9, 38, 45	9, 38, 45	38
		VOC	0.38	1.30	9, 45	9, 45	
		SO ₂	2.62	5.35	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	5.80	19.87	9, 38, 45	9, 38, 45	38
		PM	0.53	1.80	9, 45	9, 45	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM ₁₀	0.53	1.80	9, 45	9, 45	
		PM _{2.5}	0.53	1.80	9, 45	9, 45	
SHTU4-1	CHGE Heater 1	NO _x	3.83	9.15	9, 45	9, 45	
		VOC	0.21	0.49	9, 45	9, 45	
		SO ₂	1.43	2.03	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42
		CO	3.15	7.54	9, 45	9, 45	
		PM	0.29	0.68	9, 45	9, 45	
		PM ₁₀	0.29	0.68	9, 45	9, 45	
		PM _{2.5}	0.29	0.68	9, 45	9, 45	
SHTU4-2	CHGE Heater 2	NO _x	3.83	9.15	9, 45	9, 45	
		VOC	0.21	0.49	9, 45	9, 45	
		SO ₂	1.43	2.03	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42
		CO	3.15	7.54	9, 45	9, 45	
		PM	0.29	0.68	9, 45	9, 45	
		PM ₁₀	0.29	0.68	9, 45	9, 45	
		PM _{2.5}	0.29	0.68	9, 45	9, 45	
SHTU4-3	Reboiler Heater	NO _x	2.33	6.66	9, 45	9, 45	
		VOC	0.16	0.45	9, 45	9, 45	
		SO ₂	1.09	1.84	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42
		CO	2.40	6.85	9, 45	9, 45	
		PM	0.22	0.62	9, 45	9, 45	
		PM ₁₀	0.22	0.62	9, 45	9, 45	
		PM _{2.5}	0.22	0.62	9, 45	9, 45	
SHTU4-4	Recycle Gas Heater	NO _x	8.22	28.17	9, 38, 45	9, 38, 45	38

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	0.55	1.90	9, 45	9, 45	
		SO ₂	3.83	7.81	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	
		CO	8.46	29.00	9, 38, 45	9, 38, 45	38
		PM	0.77	2.62	9, 45	9, 45	
		PM ₁₀	0.77	2.62	9, 45	9, 45	
		PM _{2.5}	0.77	2.62	9, 45	9, 45	
SHTU5	HTU5 Heater	NO _x	2.46	9.22	9, 38, 45	9, 38, 45	38
		VOC	0.38	1.42	9, 45	9, 45	
		SO ₂	2.61	5.84	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	2.56	9.62	9, 38, 45	9, 38, 45	38
		PM	0.53	1.98	9, 45	9, 45	
		PM ₁₀	0.53	1.98	9, 45	9, 45	
		PM _{2.5}	0.53	1.98	9, 45	9, 45	
SLCDU1-1	LCDU Reactor Heater	NO _x	2.12	7.28	9, 45	9, 45	
		VOC	0.19	0.65	9, 45	9, 45	
		SO ₂	1.32	2.69	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42
		CO	2.91	9.99	9, 45	9, 45	
		PM	0.26	0.90	9, 45	9, 45	
		PM ₁₀	0.26	0.90	9, 45	9, 45	
		PM _{2.5}	0.26	0.90	9, 45	9, 45	
SLCDU1-2	LCDU Charge Heater	NO _x	2.59	9.72	9, 45	9, 45	
		VOC	0.23	0.87	9, 45	9, 45	
		SO ₂	1.61	3.59	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42
		CO	3.55	13.35	9, 45	9, 45	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	0.32	1.21	9, 45	9, 45	
		PM ₁₀	0.32	1.21	9, 45	9, 45	
		PM _{2.5}	0.32	1.21	9, 45	9, 45	
SMPU3-1	MPU Refined Oil Mix Heater	NO _x	3.31	12.61	9, 38, 45	9, 38, 45	38
		VOC	0.22	0.85	9, 45	9, 45	
		SO ₂	1.54	3.49	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	3.41	12.99	9, 38, 45	9, 38, 45	38
		PM	0.31	1.17	9, 45	9, 45	
		PM ₁₀	0.31	1.17	9, 45	9, 45	
		PM _{2.5}	0.31	1.17	9, 45	9, 45	
SMPU3-2	MPU No. 3 Extract Heater	NO _x	8.94	34.02	9, 38, 45	9, 38, 45	38
		VOC	0.60	2.29	9, 45	9, 45	
		SO ₂	4.16	9.43	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	9.20	35.02	9, 38, 45	9, 38, 45	38
		PM	0.83	3.17	9, 45	9, 45	
		PM ₁₀	0.83	3.17	9, 45	9, 45	
		PM _{2.5}	0.83	3.17	9, 45	9, 45	
SMPU4	MPU 4 Secondary Heater Stack	NO _x	4.24	16.57	9, 38, 45	9, 38, 45	38
		VOC	0.29	1.12	9, 45	9, 45	
		SO ₂	1.97	4.59	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	4.36	17.06	9, 38, 45	9, 38, 45	38
		PM	0.39	1.54	9, 45	9, 45	
		PM ₁₀	0.39	1.54	9, 45	9, 45	
		PM _{2.5}	0.39	1.54	9, 45	9, 45	

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SMPU4C	MPU No 4 Extract Heater	NO _x	9.07	39.74	9, 38, 45	9, 38, 45	38
		VOC	0.61	2.68	9, 45	9, 45	
		SO ₂	4.22	11.01	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	9.34	40.90	9, 38, 45	9, 38, 45	38
		PM	0.84	3.70	9, 45	9, 45	
		PM ₁₀	0.84	3.70	9, 45	9, 45	
		PM _{2.5}	0.84	3.70	9, 45	9, 45	
SCDHydro/SCHDS2	CDHydro/CDHDS2 Heater	NO _x	3.67	13.05	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.50	1.76	9, 45, 51	9, 45, 51	51
		SO ₂	3.42	7.23	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	7.56	26.87	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.68	2.43	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.68	2.43	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.68	2.43	9, 45, 51	9, 45, 51	51
SHCU1-5	HCU No. 1 Prefractionator Heater	NO _x	1.13	4.10	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.25	0.94	9, 45, 51	9, 45, 51	51
		SO ₂	1.74	3.88	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	3.84	14.43	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.35	1.31	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.35	1.31	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.35	1.31	9, 45, 51	9, 45, 51	51
SDCU1-1	Coker Heater No.1	NO _x	17.56	65.42	9, 45, 51	9, 45, 51	51
		VOC	1.18	4.41	9, 45, 51	9, 45, 51	51
		SO ₂	8.17	18.12	8, 9, 41, 42, 45, 51	8, 9, 41, 42, 45, 51	42, 51

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CO	18.07	67.34	9, 45, 51	9, 45, 51	51
		PM	1.64	6.09	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.64	6.09	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.64	6.09	9, 45, 51	9, 45, 51	51
SDCU1-2	Coker Heater No.2	NO _x	17.56	65.42	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	1.18	4.41	9, 45, 51	9, 45, 51	51
		SO ₂	8.17	18.12	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	18.07	67.34	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.64	6.09	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.64	6.09	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.64	6.09	9, 45, 51	9, 45, 51	51
SHTU3-3	HTU No.3 Hydrogen Heater	NO _x	0.70	2.63	9, 45	9, 45	
		VOC	0.13	0.47	9, 45	9, 45	
		SO ₂	0.87	1.94	8, 9, 41, 42, 45	8, 9, 41, 42, 45	42
		CO	1.92	7.21	9, 45	9, 45	
		PM	0.17	0.65	9, 45	9, 45	
		PM ₁₀	0.17	0.65	9, 45	9, 45	
		PM _{2.5}	0.17	0.65	9, 45	9, 45	
SVPS2-1	VPS No.2 Common Heater Stack ***	NO _x	13.52	50.37	9, 10, 38, 41, 42, 45	9, 10, 38, 41, 42, 45	38, 42
		VOC	1.82	6.79	9, 45	9, 45	
		SO ₂	12.59	27.91	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	27.84	103.70	9, 38, 45	9, 38, 45	38
		PM	2.52	9.38	9, 45	9, 45	
		PM ₁₀	2.52	9.38	9, 45	9, 45	

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM _{2.5}	2.52	9.38	9, 45	9, 45	
SVPS2-2	VPS No. 2, No. 4 Atmospheric Heater	NO _x	2.80	10.51	9, 38, 45	9, 38, 45	38
		VOC	0.38	1.42	9, 45	9, 45	
		SO ₂	2.61	5.82	8, 9, 38, 41, 42, 45	8, 9, 38, 41, 42, 45	38, 42
		CO	5.76	21.64	9, 38, 45	9, 38, 45	38
		PM	0.52	1.96	9, 45	9, 45	
		PM ₁₀	0.52	1.96	9, 45	9, 45	
		PM _{2.5}	0.52	1.96	9, 45	9, 45	
SVPS4-1	VPS No. 4, No. 3 Atmospheric Heater	NO _x	8.40	36.79	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.75	3.31	9, 45, 51	9, 45, 51	51
		SO ₂	5.22	13.59	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	11.53	50.50	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.04	4.57	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.04	4.57	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.04	4.57	9, 45, 51	9, 45, 51	51
SVPS4-4	VPS No. 4 Naphtha Splitter Reboiler	NO _x	3.48	15.24	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.31	1.37	9, 45, 51	9, 45, 51	51
		SO ₂	2.16	5.63	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	4.78	20.92	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	0.43	1.89	9, 45, 51	9, 45, 51	51
		PM ₁₀	0.43	1.89	9, 45, 51	9, 45, 51	51
		PM _{2.5}	0.43	1.89	9, 45, 51	9, 45, 51	51
SVPS4-2	Atmospheric Heater No. 1 (7)	NO _x	10.50	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.94	---	9, 45, 51	9, 45, 51	51

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO ₂	6.52	---	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	14.41	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.30	---	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.30	---	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.30	---	9, 45, 51	9, 45, 51	51
SVPS4-3	Atmospheric Heater No. 2 (7)	NO _x	10.50	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.94	---	9, 45, 51	9, 45, 51	51
		SO ₂	6.52	---	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	14.41	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.30	---	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.30	---	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.30	---	9, 45, 51	9, 45, 51	51
SVPS4-5	Vacuum Heater No. 1	NO _x	8.70	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.78	---	9, 45, 51	9, 45, 51	51
		SO ₂	5.40	---	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	11.94	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.08	---	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.08	---	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.08	---	9, 45, 51	9, 45, 51	51

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			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SVPS4-6	Vacuum Heater No. 2	NO _x	8.70	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	0.78	---	9, 45, 51	9, 45, 51	51
		SO ₂	5.40	---	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	11.94	---	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	1.08	---	9, 45, 51	9, 45, 51	51
		PM ₁₀	1.08	---	9, 45, 51	9, 45, 51	51
		PM _{2.5}	1.08	---	9, 45, 51	9, 45, 51	51
SVPS4-7	Combined Heater Stack (7)	NO _x	39.36	165.80	9, 38, 45, 51	9, 38, 45, 51	38, 51
		VOC	3.54	15.49	9, 45, 51	9, 45, 51	51
		SO ₂	24.44	63.68	8, 9, 38, 41, 42, 45, 51	8, 9, 38, 41, 42, 45, 51	38, 42, 51
		CO	54.02	236.62	9, 38, 45, 51	9, 38, 45, 51	38, 51
		PM	4.89	21.41	9, 45, 51	9, 45, 51	51
		PM ₁₀	4.89	21.41	9, 45, 51	9, 45, 51	51
		PM _{2.5}	4.89	21.41	9, 45, 51	9, 45, 51	51
ASTUTO	ASTU Thermal Oxidizer	NO _x	1.32	3.47	9, 12, 13, 14, 38, 45	9, 12, 13, 14, 38, 45, 47, 48	38, 47, 48
		VOC	0.13	0.34	9, 12, 13, 14, 38, 45	9, 12, 13, 14, 38, 45, 47, 48	38, 47, 48
		SO ₂	0.07	0.17	8, 9, 12, 13, 14, 45	9, 12, 13, 14, 45, 47, 48	47, 48
		CO	0.89	2.33	9, 12, 13, 14, 38, 45	9, 12, 13, 14, 38, 45, 47, 48	38, 47, 48
		PM	0.18	0.47	9, 12, 13, 14, 45	9, 12, 13, 14, 45, 47, 48	47, 48
		PM ₁₀	0.18	0.47	9, 12, 13, 14, 45	9, 12, 13, 14, 45, 47, 48	47, 48
		PM _{2.5}	0.18	0.47	9, 12, 13, 14, 45	9, 12, 13, 14, 45, 47, 48	47, 48
Loading Operations							
FLR39	Loading Rack No. 39	VOC	0.44	0.34	5, 45	5, 45	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Storage Tanks							
TAL35140	Fresh Sulfuric Acid Tank	H2SO4	0.29	0.01	2, 45	2, 45	
TAL35141	Fresh Sulfuric Acid Tank	H2SO4	0.29	0.01	2, 45	2, 45	
TST01415	Storage Tank No. 1415	VOC	1.55	2.65	2, 45, 49	2, 45, 49	49
TST01691	Storage Tank No. 1691	VOC	6.44	3.64	2, 45, 49	2, 45, 49	49
TST01728	Storage Tank No. 1728	VOC	0.11	0.24	2, 45, 49	2, 45, 49	49
Tanks within the Tank Group emissions cap EPN TNKGRP2							
TML01247	Storage Tank No. 1247	VOC	5.62	--	2, 4, 45, 49	2, 45, 49	49
TML01248	Storage Tank No. 1248	VOC	6.78	--	2, 4, 45, 49	2, 45, 49	49
TML01250	Storage Tank No. 1250	VOC	6.19	--	2, 4, 45, 49	2, 45, 49	49
TML01251	Storage Tank No. 1251	VOC	6.16	--	2, 4, 45, 49	2, 45, 49	49
TML01252	Storage Tank No. 1252	VOC	6.81	--	2, 4, 45, 49	2, 45, 49	49
TML01254	Storage Tank No. 1254	VOC	6.40	--	2, 4, 45, 49	2, 45, 49	49
TST01475	Storage Tank No. 1475	VOC	0.98	--	2, 4, 45, 49, 51	2, 45, 49, 51	49, 51
TML01490	Storage Tank No. 1490	VOC	2.08	--	2, 4, 45, 49	2, 45, 49	49
TST01510	Storage Tank No. 1510	VOC	1.94	--	2, 4, 45, 49	2, 45, 49	49
TST01511	Storage Tank No. 1511	VOC	2.40	--	2, 4, 45, 49	2, 45, 49	49
TML01524	Storage Tank No. 1524	VOC	7.37	--	2, 4, 45, 49, 52	2, 45, 49	49
TML01525	Storage Tank No. 1525	VOC	2.18	--	2, 4, 45, 49	2, 45, 49	49
TML01526	Storage Tank No. 1526	VOC	11.16	--	2, 4, 45, 49, 52	2, 45, 49	49
TST01552	Storage Tank No. 1552	VOC	0.83	--	2, 4, 45, 49, 51	2, 45, 49, 51	49, 51
TST01553	Storage Tank No. 1553	VOC	1.96	--	2, 4, 45, 49	2, 45, 49	49
TST01600	Storage Tank No. 1600	VOC	4.11	--	2, 4, 45, 49, 52	2, 45, 49	49
TST01601	Storage Tank No. 1601	VOC	2.11	--	2, 4, 45, 49	2, 45, 49	49

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
TML01663	Storage Tank No. 1663	VOC	7.61	--	2, 4, 45, 49	2, 45, 49	49
TST01671	Storage Tank No. 1671	VOC	1.49	--	2, 4, 45, 49	2, 45, 49	49
TST01679	Storage Tank No. 1679	VOC	7.03	--	2, 4, 45, 49, 52	2, 45, 49	49
TML01698	Storage Tank No. 1698	VOC	5.67	--	2, 4, 45, 47, 49	45, 47, 49	47, 49
TML01699	Storage Tank No. 1699	VOC	5.67	--	2, 4, 45, 49	2, 45, 49	49
TST01712	Storage Tank No. 1712	VOC	5.36	--	2, 4, 45, 49, 52	2, 45, 49	49
TST01718	Storage Tank No. 1718	VOC	2.09	--	2, 4, 45, 49, 51	2, 45, 49, 51	49, 51
TST01719	Storage Tank No. 1719	VOC	23.00	--	2, 4, 45, 49, 51	2, 45, 49, 51	49, 51
TML01767	Storage Tank No. 1767	VOC	3.23	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TML01768	Storage Tank No. 1768	VOC	3.19	--	2, 4, 45, 49	2, 45, 49	49
TST01775	Storage Tank No. 1775	VOC	1.67	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TST01787	Storage Tank No. 1787	VOC	1.15	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TVA01821	Storage Tank No. 1821 (FIN TK 1821)	VOC	3.32	--	2, 3, 4, 45, 49	2, 45, 49	49
TST01885	Storage Tank No. 1885	VOC	1.54	--	2, 4, 45, 47, 49, 51	2, 45, 47, 49, 51	47, 49, 51
TST01886	Storage Tank No. 1886	VOC	1.78	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TST01893	Storage Tank No. 1893	VOC	9.83	--	2, 4, 45, 49, 52	2, 45, 49	49
TST01894	Storage Tank No. 1894	VOC	7.31	--	2, 4, 45, 49, 52	2, 45, 49	49
TST01895	Storage Tank No. 1895	VOC	1.55	--	2, 4, 45, 47, 49, 51	2, 45, 47, 49, 51	47, 49, 51
TML01904	Storage Tank No. 1904	VOC	6.45	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TST01913	Storage Tank No. 1913	VOC	0.94	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TST01920	Storage Tank No. 1920	VOC	2.13	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TST01932	Storage Tank No. 1932	VOC	5.64	--	2, 4, 45, 47, 49, 51	2, 45, 47, 49, 51	47, 49, 51
TST01933	Storage Tank No. 1933	VOC	5.64	--	2, 4, 45, 47, 49, 51	2, 45, 47, 49, 51	47, 49, 51
TST01934	Storage Tank No. 1934	VOC	5.64	--	2, 4, 45, 47, 49, 51	2, 45, 47, 49, 51	47, 49, 51

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
TK1945	Storage Tank No. 1945	VOC	2.93	--	2, 4, 45, 47, 49	2, 45, 47, 49	47, 49
TK2040	Storage Tank No. 2040	VOC	2.93	--	2, 4, 45, 49	2, 45, 49	49
TK2041	Tank 2041	VOC	11.43	--	2, 4, 45, 49	2, 45, 49	49
TK2127	Storage Tank 2127	VOC	31.73	--	2, 3, 4, 45, 49	2, 3, 45, 49	49
TK2140	Storage Tank 2140	VOC	0.02	--	2, 4, 45, 49	2, 45, 49	49
TML19272	Storage Tank No. 19272	VOC	5.70	--	2, 4, 45, 49	2, 45, 49	49
TST21657	Storage Tank No. 21657	VOC	9.38	--	2, 4, 45, 49, 51	2, 45, 49	49
TST21774	Storage Tank No. 21774	VOC	7.74	--	2, 4, 45, 49, 52	2, 45, 49	49
TST21775	Storage Tank No. 21775	VOC	7.74	--	2, 4, 45, 49	2, 45, 49	49
TNKGPR2	Tank Group (6)	VOC	273.61	211.46	2, 45, 47, 48, 49	2, 45, 47, 48, 49	47, 48, 49
Vents							
SCRU4-2	Regen Vent Scrubber Emissions	NO _x	1.01	4.44			
		SO ₂	0.70	3.10			
		PM	0.06	0.28			
		PM ₁₀	0.06	0.28			
		PM _{2.5}	0.06	0.28			
		HCl	0.06	0.26	40, 49	40, 49	49
		Chlorine	0.01	0.05	40, 49	40, 49	49
SVVMPU3-3	MPU No. 3 Vacuum System Emissions	VOC	1.50	6.60			
Fugitive Emissions							
CAS	CAS Fugitive Emissions (5)	VOC	0.07	0.30	15, 16, 18, 47, 49	15, 16, 18, 45, 47, 49	47, 49
FLHCU	Lube Hydrocracker 1 Fugitives	VOC	0.27	1.17	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FHTU5	HTU5 Fugitive Emissions (5)	VOC	3.96	17.33	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		H ₂ S	0.07	0.30	23	23	
		NH ₃	0.01	0.01	24	24	
FCOKE1	Delayed Coking Unit Coke Handling Fugitives (5)	PM	0.01	0.01	34, 36	34, 36, 45	
		PM ₁₀	0.01	0.01		45	
		PM _{2.5}	0.01	0.01		45	
FALKY4	ALKY 4 Fugitive Emissions (5)	VOC	7.80	32.61	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FASTU2	WW Collection Oil Recovery (5)	VOC	2.90	12.70	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FBOTF	BOTF Fugitive Emissions (5)	VOC	0.28	1.22	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FBSW	Bottoms, Solids, Water Tanks Farm Fugitives (5)	VOC	0.57	2.48	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FCDHDS1	CDHDS1 Fugitive Emissions (5)	VOC	1.98	8.70	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.05	0.22	23	23	
FCDHDS2	CDHDS2 Fugitive Emissions (5)	VOC	3.24	14.18	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.10	0.45	23	23	
FCGHT	CGHT Fugitive Emissions (5)	VOC	0.01	0.01	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FCRU4	CRU No. 4 Fugitive Emissions (5)	VOC	5.20	22.91	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.06	0.27	23	23	
FDCU1	DCU 1 Fugitive Emissions (5)	VOC	7.71	33.81	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.16	0.66	23	23	
		NH ₃	0.01	0.01	24	24	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
FFCCU3	FCCU No. 3 Fugitive Emissions (5)	VOC	7.32	32.07	11, 15, 16, 17, 18, 47, 49, 51	11, 15, 16, 17, 18, 45, 47, 49, 51	47, 49
		H ₂ S	0.09	0.36	23	23	
		MDEA	0.22	0.97			
FGR-1	Flare Gas Recovery Fugitive Emissions (5)	VOC	0.93	4.04	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.16	0.69	23	23	
FGR-2	Flare Gas Recovery Fugitive Emissions (5)	VOC	1.07	4.67	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.16	0.70	23	23	
FHCU1	HCU No. 1 Fugitive Emissions (5)	VOC	4.48	19.56	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.09	0.33	23	23	
		NH ₃	0.01	0.02	24	24	
FHTU1	HTU No. 1 Fugitive Emissions (5)	VOC	1.62	7.11	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FHTU2	HTU No. 2 Fugitive Emissions (5)	VOC	1.74	7.61	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.04	0.14	23	23	
FHTU3	HTU No. 3 Fugitive Emissions (5)	VOC	4.20	18.41	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.07	0.32	23	23	
FHTU4	HTU No. 4 Fugitive Emissions (5)	VOC	4.90	21.45	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.14	0.63	23	23	
FLCDU	LCDU Fugitive Emissions (5)	VOC	0.73	3.23	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.01	0.04	23	23	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
FLF	PAP Landfill	VOC	0.01	0.01			
FLR43/44FE	Loading Rack Fugitive Emissions (5)	VOC	0.08	0.36	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FMPU3	MPU No. 3 Fugitive Emissions (5)	VOC	0.81	3.52	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FMPU4	MPU No. 4 Fugitive Emissions (5)	VOC	0.59	2.61	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FNSGP	North Side Gas Plant Fugitive Emissions (5)	VOC	1.44	6.30	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.07	0.29	23	23	
FPH27	Pump House No. 27 Fugitive Emissions (5)	VOC	9.26	40.55	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FPH57	Pump House No. 57 Fugitive Emissions (5)	VOC	2.88	12.60	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FSCTLA	Lift Station Fugitives (5)	VOC	0.08	0.33	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
FU-Rack4	Loading Rack No. 4 Fugitive Emissions (5)	VOC	0.11	0.52	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FVPS2	VPS No. 2 Fugitive Emissions (5)	VOC	3.74	16.37	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.02	0.10	23	23	
FVPS4	VPS No. 4 Fugitive Emissions (5)	VOC	6.05	26.51	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.04	0.17	23	23	
FWAGS	Wet Acid Gas Scrubber Fugitive Emissions (5)	VOC	0.51	2.22	11, 15, 16, 17, 18, 47, 49	11, 15, 16, 17, 18, 45, 47, 49	47, 49
		H ₂ S	0.05	0.21	23	23	
FWSGP	WSGP Fugitive Emissions (5)	VOC	0.07	0.26	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
FSPS3	FSPS3 Fugitive Emissions (5)	VOC	0.02	0.02	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FTK2127	FTK2127 Fugitive Emissions (5)	VOC	0.43	1.86	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
FASTUTO	ASTU Thermal Oxidizer Fugitives (5)	VOC	0.07	0.30	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
PSAMP	Propylene Sampling in FCCU3	VOC	3.89	0.39	15, 16, 17, 18, 47, 49	15, 16, 17, 18, 45, 47, 49	47, 49
EFCCU3	FCCU No. 3 Flare Stack Pilots	NO _x	0.04	0.19	7	7	
		CO	0.31	1.34	7	7	
		SO ₂	0.01	0.01	7	7	
		VOC	0.01	0.03	7	7	
EHCU	HCU No. 1 Flare Stack Pilots	NO _x	0.20	0.87	7	7	
		CO	1.44	6.30	7	7	
		SO ₂	0.01	0.01	7	7	
		VOC	0.03	0.10	7	7	
EHTU	HTU No. 4 Flare Stack Pilots	NO _x	0.03	0.12	7	7	
		CO	0.20	0.86	7	7	
		SO ₂	0.01	0.01	7	7	
		VOC	0.01	0.02	7	7	
EVPS4	VPS No. 4 Flare Stack Pilots	NO _x	0.02	0.07	7	7	
		CO	0.12	0.53	7	7	
		SO ₂	0.01	0.01	7	7	
		VOC	0.01	0.01	7	7	
ECRU4	CRU No. 4 Flare Stack Pilots	NO _x	0.02	0.06	7	7	
		CO	0.10	0.42	7	7	

Major NSR Summary Table

Permit Numbers: 8404, PSDTX1062M5, and PSDTX1534M2					Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO ₂	0.01	0.01	7	7	
		VOC	0.01	0.01	7	7	
EDCU1	Delayed Coking Unit No. 1 Flare Stack Pilots	NO _x	0.08	0.33	7	7	
		CO	0.55	2.39	7	7	
		SO ₂	0.01	0.01	7	7	
		VOC	0.02	0.04	7	7	
EFCCU1&2	ALKY 4 Flare Stack Pilots	NO _x	0.04	0.19	7	7	
		CO	0.31	1.34	7	7	
		SO ₂	0.01	0.01	7	7	
		VOC	0.01	0.03	7	7	

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 H₂S - hydrogen sulfide
 H₂SO₄ - sulfuric acid
 HCl - hydrogen chloride
 HCN - hydrogen cyanide
 NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Refer to MAERT ATTACHMENT – TANK GROUP for the specific EPNs, Facility Identification Numbers, and source names included in this group.
- (7) The atmospheric and vacuum heaters (FINS VPS4ATM1HT, VPS4ATM2HT, VPS4VAC1HT, and VPS4VAC2HT) may exhaust through this common stack.

** The FINS included in EPN SCRU4-1 are CRU4INTHT1, CRU4INTHT2, CRU4NHTCHT, CRU4PLATHT, and CRU4SRBL.

*** The FINS included in EPN SVPS2-1 are VPS2ATM1HT, VPS2ATM2HT, VPS2ATM3HT, VPS2VAC1HT, and VPS2VAC2HT.

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
CEP-FUG	Fugitives Group	CH ₄ (5)	220.04	4	3, 4	4
		CO _{2e}	5,500.88			
SCRU4-1	Combined Heater Stack	CO ₂ (5)	328,115.25	4	3, 4	4
		CH ₄ (5)	6.18			
		N ₂ O (5)	0.62			
		CO _{2e}	328,454.13			
SHTU6-1	HTU No. 6 Charge Heater 1	CO ₂ (5)	44,279.66	4	3, 4	4
		CH ₄ (5)	0.83			
		N ₂ O (5)	0.08			
		CO _{2e}	44,325.39			
SHTU6-2	HTU No. 6 Fractionator Reboiler	CO ₂ (5)	33,769.60	4	3, 4	4
		CH ₄ (5)	0.64			
		N ₂ O (5)	0.06			
		CO _{2e}	33,804.47			
SPS4-6	Boiler No. 46	CO ₂ (5)	305,366.48	4	3, 4	4
		CH ₄ (5)	5.76			
		N ₂ O (5)	0.58			
		CO _{2e}	305,681.86			
SHCU2-1		CO ₂ (5)	31,178.59	4	3, 4	4

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	HCU No. 21 st Stage Charge Set A Heater	CH ₄ (5)	0.59			
		N ₂ O (5)	0.06			
		CO _{2e}	31,210.80			
SHCU2-2	HCU No. 21 st Stage Charge Set B Heater	CO ₂ (5)	31,178.59	4	3, 4	4
		CH ₄ (5)	0.59			
		N ₂ O (5)	0.06			
		CO _{2e}	31,210.80			
SHCU2-3	HCU No. 22 nd Charge Heater	CO ₂ (5)	39,568.25	4	3, 4	4
		CH ₄ (5)	0.75			
		N ₂ O (5)	0.07			
		CO _{2e}	39,609.12			
SHCU2-5	HCU No. 2 Fractionator Heater	CO ₂ (5)	238,247.34	4	3, 4	4
		CH ₄ (5)	4.49			
		N ₂ O (5)	0.45			
		CO _{2e}	238,493.40			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SHCU2-6	HCU No. 2 DHT Charge Heater	CO ₂ (5)	42,126.80	4	3, 4	4
		CH ₄ (5)	0.79			
		N ₂ O(5)	0.08			
		CO _{2e}	42,170.31			
SCRU5-1	#5 CRU Platformer No. 1 Intermediate Heater	CO ₂ (5)	199,615.40	4	3, 4	4
		CH ₄ (5)	3.76			
		N ₂ O(5)	0.38			
		CO _{2e}	199,821.56			
SCRU5-2	#5 CRU Platformer No. 2 Intermediate Heater	CO ₂ (5)	128,756.03	4	3, 4	4
		CH ₄ (5)	2.43			
		N ₂ O(5)	0.24			
		CO _{2e}	128,889.01			
SCRU5-2	#5 CRU Platformer No. 3 Intermediate Heater	CO ₂ (5)	98,424.33	4	3, 4	4
		CH ₄ (5)	1.85			
		N ₂ O(5)	0.19			
		CO _{2e}	98,525.98			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SCRU5-1	#5 CRU Platformer Heater	CO ₂ (5)	178,506.18	4	3, 4	4
		CH ₄ (5)	3.36			
		N ₂ O(5)	0.34			
		CO _{2e}	178,690.54			
SVPS4-1	VPS No. 4, No. 3 Atmospheric Heater	CO ₂ (5)	87,101.18	4	3, 4	4
		CH ₄ (5)	1.64			
		N ₂ O(5)	0.16			
		CO _{2e}	87,191.13			
SVPS4-2	Atmospheric Heater No. 1	CO ₂ (5)	89,662.98	4	3, 4	4
		CH ₄ (5)	1.69			
		N ₂ O(5)	0.17			
		CO _{2e}	89,755.58			
SVPS4-3	Atmospheric Heater No.2	CO ₂ (5)	89,662.98	4	3, 4	4
		CH ₄ (5)	1.69			
		N ₂ O(5)	0.17			
		CO _{2e}	89,755.58			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SVPS4-4	VPS No. Naphtha Splitter Reboiler	CO ₂ (5)	29,716.87	4	3, 4	4
		CH ₄ (5)	0.56			
		N ₂ O(5)	0.06			
		CO _{2e}	29,747.56			
SVPS4-5	Vacuum Heater No. 1	CO ₂ (5)	74,292.18	4	3, 4	4
		CH ₄ (5)	1.40			
		N ₂ O(5)	0.14			
		CO _{2e}	74,368.91			
SVPS4-6	Vacuum Heater No. 2	CO ₂ (5)	74,292.18	4	3, 4	4
		CH ₄ (5)	1.40			
		N ₂ O(5)	0.14			
		CO _{2e}	74,368.91			
SMPU3-1	MPU Refined Oil Mix Heater	CO ₂ (5)	1,615.00	4	3, 4	4
		CH ₄ (5)	0.03			
		N ₂ O(5)	0.00			
		CO _{2e}	1,616.00			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SMPU3-2	MPU No. 3 Extract Heater	CO ₂ (5)	3,272.00	4	3, 4	4
		CH ₄ (5)	0.06			
		N ₂ O(5)	0.01			
		CO _{2e}	3,275.00			
SMPU4	MPU 4 Secondary Heater Stack	CO ₂ (5)	77.00	4	3, 4	4
		CH ₄ (5)	0.01			
		N ₂ O(5)	0.00			
		CO _{2e}	77.00			
SMPU4	MPU 4 No. 4 R.O. Heater	CO ₂ (5)	398.00	4	3, 4	4
		CH ₄ (5)	0.01			
		N ₂ O(5)	0.00			
		CO _{2e}	398.00			
SMPU4C	MPU No. 4 Extract Heater	CO ₂ (5)	2,440.00	4	3, 4	4
		CH ₄ (5)	0.05			
		N ₂ O(5)	0.00			
		CO _{2e}	2,443.00			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SHTU4-3	Reboiler Heater	CO ₂ (5)	9,734.84	4	3, 4	4
		CH ₄ (5)	0.18			
		N ₂ O(5)	0.02			
		CO _{2e}	9,744.89			
SHTU4-4	Recycle Gas Heater	CO ₂ (5)	41,193.73	4	3, 4	4
		CH ₄ (5)	0.78			
		N ₂ O(5)	0.08			
		CO _{2e}	41,236.28			
SVPS5-1	VPS No. 5 No. ½ Atmospheric Heater	CO ₂ (5)	200,681.10	4	3, 4	4
		CH ₄ (5)	3.78			
		N ₂ O(5)	0.38			
		CO _{2e}	200,888.36			
SVPS5-1	VPS No. 5 No. ¾ Atmospheric Heater	CO ₂ (5)	200,681.10	4	3, 4	4
		CH ₄ (5)	3.78			
		N ₂ O(5)	0.38			
		CO _{2e}	200,888.36			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SVPS5-2	VPS No. 5, No. 1 Vacuum Heater	CO ₂ (5)	106,020.20	4	3, 4	4
		CH ₄ (5)	2.00			
		N ₂ O(5)	0.20			
		CO _{2e}	106,129.70			
SVPS5-2	VPS No.5, No. 2 Vacuum Heater	CO ₂ (5)	106,020.20	4	3, 4	4
		CH ₄ (5)	2.00			
		N ₂ O(5)	0.20			
		CO _{2e}	106,129.70			
SDCU2-1	Coker Heater No. 1	CO ₂ (5)	122,249.06	4	3, 4	4
		CH ₄ (5)	2.30			
		N ₂ O(5)	0.23			
		CO _{2e}	122,375.32			
SDCU2-2	Coker Heater No. 2	CO ₂ (5)	122,249.06	4	3, 4	4
		CH ₄ (5)	2.30			
		N ₂ O(5)	0.23			
		CO _{2e}	122,375.32			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SDCU2-3	Coker Heater No. 3	CO ₂ (5)	122,249.06	4	3, 4	4
		CH ₄ (5)	2.30			
		N ₂ O(5)	0.23			
		CO _{2e}	122,375.32			
SNHTU2-1	Naphtha Hydrotreater Charge Heater	CO ₂ (5)	93,038.14	4	3, 4	4
		CH ₄ (5)	1.75			
		N ₂ O(5)	0.18			
		CO _{2e}	93,134.23			
SNHTU2-2	Naphtha Hydrotreater Stripper Reboiler	CO ₂ (5)	83,842.51	4	3, 4	4
		CH ₄ (5)	1.58			
		N ₂ O(5)	0.16			
		CO _{2e}	83,929.10			
SNHTU2-3	Naphtha Hydrotreater Splitter Reboiler	CO ₂ (5)	132,525.25	4	3, 4	4
		CH ₄ (5)	2.50			
		N ₂ O(5)	0.25			
		CO _{2e}	132,662.12			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SRUGRP	SRU Incinerator Group	CO ₂ (5)	17,725.00	4	3, 4	4
		CH ₄ (5)	0.18			
		N ₂ O(5)	0.02			
		CO _{2e}	17,735.46			
CGN-GRP	Cogen Unit Group	CO ₂ (5)	44,063.00	4	3, 4	4
		CH ₄ (5)	0.83			
		N ₂ O(5)	0.08			
		CO _{2e}	44,108.00			
SVPS2-2	VPS No. 2, No.4 Atmospheric Heater	CO ₂ (5)	30,741.59	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,773.34			
SVPS2-1	VPS No. 2, 1 Atmospheric Heater	CO ₂ (5)	30,618.63	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,650.25			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SVPS2-1	VPS No. 2, 2 Atmospheric Heater	CO ₂ (5)	30,618.63	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,650.25			
SVPS2-1	VPS No. 2, 3 Atmospheric Heater	CO ₂ (5)	30,618.63	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,650.25			
SVPS2-1	VPS No. 2, No.1 Vacuum Heater	CO ₂ (5)	30,618.63	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,650.25			
SVPS2-1	VPS No. 2, No. 2 Vacuum Heater	CO ₂ (5)	30,618.63	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,650.25			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
FVPS2	VPS No. 2 Fugitive Emissions	CO ₂ (5)	0	4	3, 4	4
		CH ₄ (5)	0.49			
		N ₂ O(5)	0.00			
		CO _{2e}	12.20			
SARO1-13	A8 Rerun Heater	CO ₂ (5)	181,072.41	4	3, 4	4
		CH ₄ (5)	3.41			
		N ₂ O(5)	0.34			
		CO _{2e}	181,259.41			
SARO1-2A	Raffinate Column Heater A	CO ₂ (5)	361,196.92	4	3, 4	4
		CH ₄ (5)	6.81			
		N ₂ O(5)	0.68			
		CO _{2e}	361,569.96			
SARO1-2B	Raffinate Column Heater B	CO ₂ (5)	361,196.92	4	3, 4	4
		CH ₄ (5)	6.81			
		N ₂ O(5)	0.68			
		CO _{2e}	361,569.96			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SARO1-3	Isomar Charge Heater	CO ₂ (5)	112,926.88	4	3, 4	4
		CH ₄ (5)	2.13			
		N ₂ O(5)	0.21			
		CO _{2e}	113,043.50			
SARO1-4	Tatoray Charge Heater	CO ₂ (5)	60,101.28	4	3, 4	4
		CH ₄ (5)	1.13			
		N ₂ O(5)	0.11			
		CO _{2e}	60,163.35			
AROGEN	Emergency Generator	CO ₂ (5)	217.06	4	3, 4	4
		CH ₄ (5)	0.01			
		N ₂ O(5)	0.002			
		CO _{2e}	217.81			
AROFL	MSS Flare	CO ₂ (5)	23,761.30	4	3, 4	4
		CH ₄ (5)	167.63			
		N ₂ O(5)	0.01			
		CO _{2e}	27,955.84			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
PXRLTO	Railcar Loading Thermal Oxidizer	CO ₂ (5)	554.74	4	3, 4	4
		CH ₄ (5)	0.01			
		N ₂ O(5)	0.002			
		CO _{2e}	555.64			
SHTU6-3	CFH Prefractionation Heater	CO ₂ (5)	40,989.79	4	3, 4	4
		CH ₄ (5)	0.77			
		N ₂ O(5)	0.08			
		CO _{2e}	41,032.12			
SHTU2-1	HTU No. 2 Charge Heater	CO ₂ (5)	27,667.43	4	3, 4	4
		CH ₄ (5)	0.52			
		N ₂ O(5)	0.05			
		CO _{2e}	27,696.01			
SHTU2-2	HTU No. 2 Reboiler	CO ₂ (5)	21,519.11	4	3, 4	4
		CH ₄ (5)	0.41			
		N ₂ O(5)	0.04			
		CO _{2e}	21,541.34			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SHTU3-1	HTU No. 3 Charge Heater	CO ₂ (5)	30,792.83	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,824.63			
SHTU3-2	HTU No. 3 Reboiler	CO ₂ (5)	28,231.03	4	3, 4	4
		CH ₄ (5)	0.53			
		N ₂ O(5)	0.05			
		CO _{2e}	28,260.19			
SHTU3-3	HTU No. 3 Hydrogen Heater	CO ₂ (5)	10,247.20	4	3, 4	4
		CH ₄ (5)	0.19			
		N ₂ O(5)	0.02			
		CO _{2e}	10,257.78			
SHTU4-1	CHGE Heater 1	CO ₂ (5)	10,708.32	4	3, 4	4
		CH ₄ (5)	0.20			
		N ₂ O(5)	0.02			
		CO _{2e}	10,719.38			

Major NSR Summary Table

Permit Numbers: GHGPSDTX121M1 and GHGPSDTX156				Issuance Date: September 19, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
SHTU4-2	CHGE Heater 2	CO ₂ (5)	10,708.32	4	3, 4	4
		CH ₄ (5)	0.20			
		N ₂ O(5)	0.02			
		CO _{2e}	10,719.38			
SHTU5	HTU5 Heater	CO ₂ (5)	30,818.45	4	3, 4	4
		CH ₄ (5)	0.58			
		N ₂ O(5)	0.06			
		CO _{2e}	30,850.27			

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

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

(3) CO₂ - carbon dioxide
 N₂O - nitrous oxide
 CH₄ - methane
 CO_{2e} - carbon dioxide equivalents based on the following Global Warming Potentials (GWP) found in Table A-1 of Subpart A 40 CFR Part 98 (78 FR 71904) for each pollutant: CO₂ (1), N₂O (298), CH₄(25)

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Major NSR Summary Table

Permit Numbers: 56287 and PSDTX1404					Issuance Date: February 25, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour (4)	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
GT 34	Gas Turbine No. 34 15 MW Bypass Mode	NOx	31.77	-	11, 12, 13, 14, 15	16, 17, 18	11, 15, 16, 17
		NOx (MSS)	74.50	-			
		CO	8.49	-			
		CO (MSS)	375.28	-			
		VOC	0.59	-			
		VOC (MSS)	6.25	-			
		SO2	7.29	-			
		PM	1.87	-			
		PM10	1.87	-			
		PM2.5	1.87	-			

Major NSR Summary Table

Permit Numbers: 56287 and PSDTX1404					Issuance Date: February 25, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour (4)	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
SPS3-7	Waste Heater Boiler No. 36 100 MMBtu/hr Gas Turbine No. 34 is not operating	NOx	11.00	-	11, 12, 13, 14, 15	16, 17, 18	11, 15, 16, 17
		CO	5.00	-			
		CO (MSS)	10.00	-			
		VOC	0.53	-			
		SO2	2.61	-			
		PM	0.74	-			
		PM10	0.74	-			
		PM2.5	0.74	-			

Major NSR Summary Table

Permit Numbers: 56287 and PSDTX1404					Issuance Date: February 25, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour (4)	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
SPS3-7	Gas Turbine No. 34 and Waste Heater Boiler No. 36	NOx	42.77	187.32	11, 12, 13, 14, 15	16, 17, 18	11, 15, 16, 17
		NOx (MSS)	74.50	-			
		CO	13.49	59.59			
		CO (MSS)	385.28	-			
		VOC	1.12	4.93			
		VOC (MSS)	6.25	-			
		SO2	9.90	1.09			
		PM	2.61	11.40			
		PM10	2.61	11.40			
		PM2.5	2.61	11.40			

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

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

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

MSS - maintenance, startup, and shutdown

(4) Planned MSS lbs/hour emissions for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS, that pollutant's maximum hourly emission rate shall apply during that clock hour.

(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period and includes planned MSS.

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
08/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSDTX1062M4	07/17/2025		GHGPSDTX156	07/17/2025	
PSDTX1404	02/25/2025				
PSDTX1534M1	07/17/2025				
GHGPSDTX121M1	07/17/2025				

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

Permit No.	Issuance Date	Pollutant(s):	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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

- ◆ **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.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
6056	01/28/2022	165961	08/25/2021		
8404	02/04/2020	168869	05/26/2022		
54322	09/22/2021	169339	07/05/2022		
56287	06/01/2018				

- ◆ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
83	09/12/1989	106.261	11/01/2003	106.511	09/04/2000
86	09/12/1989	106.262	11/01/2003	106.512	06/13/2001
		106.263	11/01/2001	106.532	09/04/2000
		106.371	09/04/2000		
		106.472	03/14/1997		
		106.472	09/04/2000		
		106.476	09/04/2000		
		106.478	09/04/2000		

- ◆ **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

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

I. Identifying Information		
Account No.: JE0095D	RN No.: RN100209451	CN: CN600124051
Permit No.: O1386	Project No.: 37602	
Area Name: Port Arthur Refinery		
Company Name: Motiva Enterprises LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: TK01741		
Applicable Form: OP-UA3		
III. Applicable Regulatory Requirement		
Name: 30 TAC 115, Storage of VOCs		
SOP/GOP Index No.: R5112-05		
Pollutant: VOC		
Main Standard: §115.112(a)(1)		
IV. Title V Monitoring Information		
Monitoring Type: PM		
Unit Size:		
CAM/PM Option No.: PM-V-058		
Deviation Limit: 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.		
CAM/PM Option No.: PM-V-059		
Deviation Limit: It shall be considered a deviation if defects in the closed vent system are detected or if the components are not inspected.		
V. Control Device Information		
Control Device ID No.: CVS		
Control Device Type: CVS		

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.: JE0095D	RN No.: RN100209451	CN: CN600124051
Permit No: O1386	Project No.: 37602	
Area Name: Port Arthur Refinery		
Company Name: Motiva Enterprises LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: TK01741		
Applicable Form: OP-UA3		
III. Applicable Regulatory Requirement		
Name: 30 TAC 115 Storage of VOCs		
SOP/GOP Index No.:		
Pollutant: VOC		
Main Standard:		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: Pressure vacuum relief valve (PVRV) reading greater than 0.86 in H2O.		
IV. Control Device Information		
Control Device ID No.: CVS		
Device Type: CVS		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: PVRV pressure	Minimum Frequency: Daily	
Averaging Period: n/a		

I. Identifying Information

Periodic Monitoring Text: The tank emissions are routed to a closed vent system (CSV) that is operated and maintained under negative pressure. To ensure the vacuum on the CVS is operating correctly the pressure vacuum relief valve (PVRV) setting on the tank is monitored. Any monitoring data where the PVRV reading is greater than 0.86 in H₂O shall be reported as a deviation.

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.
7/25/2025	01386	RN100209451

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
TK01508	R5111-a1	NO		VOC1	A1K-25K			

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.
7/25/2025	01386	RN100209451

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.
TK01508	R5111-a1		NONE1	1-				

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSDTX1062M4	02/05/2025		GHGPSDTX156	02/05/2025	
PSDTX1404	02/25/2025		PSDTX1062M1	02/04/2020	
PSDTX1534M1	02/05/2025		PSDTX1534	02/04/2020	
GHGPSDTX121M1	02/05/2025				

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

Permit No.	Issuance Date	Pollutant(s):	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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

- ◆ **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.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
6056	02/05/2025	165961	08/25/2021		
8404	02/04/2020	168869	05/26/2022		
54322	09/22/2021	169339	07/05/2022		
56287	02/25/2025	179202	03/07/2025		

- ◆ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
83	09/12/1989	106.261	11/01/2003	106.511	09/04/2000
86	09/12/1989	106.262	11/01/2003	106.512	06/13/2001
		106.263	11/01/2001	106.532	09/04/2000
		106.371	09/04/2000		
		106.472	03/14/1997		
		106.472	09/04/2000		
		106.476	09/04/2000		
		106.478	09/04/2000		

- ◆ **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

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

Date: 07/23/2025	Regulated Entity No.: RN100209451	Permit No.: O1386
Company Name: Motiva Enterprises LLC		Area Name: Port Arthur Refinery

- 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.	

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.: JE0095D	RN No.: RN100209451	CN: CN600124051
Permit No: O1386	Project No.: 37602	
Area Name: Port Arthur Refinery		
Company Name: Motiva Enterprises LLC		
II. Unit/Emission Point/Group/Process Information		
Revision No.:		
Unit/EPN/Group/Process ID No.: TK01741		
Applicable Form: OP-UA3		
III. Applicable Regulatory Requirement		
Name: 30 TAC 115 Storage of VOCs		
SOP/GOP Index No.:		
Pollutant: VOC		
Main Standard:		
Monitoring Type: PM		
Unit Size:		
Deviation Limit: PVRV reading greater than 0.86 in H2O.		
IV. Control Device Information		
Control Device ID No.: CVS		
Device Type: CVS		
V. CAM Case-by-case		
Indicator:		
Minimum Frequency:		
Averaging Period:		
QA/QC Procedures:		
Verification Procedures:		
Representative Date:		
VI. Periodic Monitoring Case-by-case		
Indicator: PVRV pressure	Minimum Frequency: Daily	
Averaging Period: n/a		

I. Identifying Information

Periodic Monitoring Text: The tank emissions are routed to a closed vent system (CSV) that is operated and maintained under negative pressure. To ensure the vacuum on the CVS is operating correctly the pressure vacuum relief valve (PVRV) setting on the tank is monitored.

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.
5/21/2025	O1386	RN100209451

Unit ID No.	SOP/GOP Index No.	Means of Compliance	AMOC ID No.	Unslotted Guidepole	Slotted Guidepole	Seal Configuration	Inspection Requirement	Construction Date
TK 2111	63EEE-05	FGS						
TK01740	63EEE-02	FGS						
TK01741	63EEE-02	FGS						
TK01508	63EEE-06	T2TB-						
TK01506	63EEE-06	T2TB-						
TK01507	63EEE-06	T2TB-						
TK01509	63EEE-06	T2TB-						

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.
5/21/2025	O1386	RN100209451

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
TK 2111	63EEEE-02	50K+		NO					
TK01740	63EEEE-02	50K+		NO					
TK01741	63EEEE-02	50K+		NO					
TK01508	63EEEE-05	5K-50K	76.6-	NO					
TK01506	63EEEE-05	5K-50K	76.6-	NO					
TK01507	63EEEE-05	5K-50K	76.6-	NO					
TK01509	63EEEE-05	5K-50K	76.6-	NO					

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.
5/21/2025	O1386	RN100209451

Unit ID No.	SOP Index No.	Negative Pressure	Bypass Line	Operating Limits	AMEL ID No.	Flare Tip Velocity	Perimeter Air Assist

**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:
Technical Contact Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator:
B. State Representative:
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:

**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:
Technical Contact Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:
VIII. Reference Only Requirements <i>(For reference only.)</i>
A. State Senator:
B. State Representative:
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:

Carolyn Thomas

From: Smith, Christopher <Christopher.Smith@motiva.com>
Sent: Tuesday, March 4, 2025 7:43 AM
To: Carolyn Thomas
Cc: Moffett, Jody; Guilhas, Gary; Fryoux, Damian; Kuehn, Adam
Subject: RE: [EXTERNAL]Motiva Enterprises LLC TV Permit 1386, Project 37602
Attachments: 6.11.2024 Motiva Enterprises LLC Update RO and DAR.pdf; Motiva USPS Delivery 9589 0710 5270 0134 3793 83.pdf; 6.11.2024 TO EPA REGION 6 Motiva Enterprises LLC Update RO and DAR.pdf; 6.11.2024 RECEIVED EPA REGION 6 Motiva Enterprises LLC Update RO and DAR.pdf

Caution: This email may contain suspicious content. Please take care when clicking links or opening attachments. When in doubt, contact the TCEQ Help Desk.

Ms. Thomas:

Please find the following attached.

- 1) June 11, 2024 notification to the TCEQ with signed forms
- 2) USPS tracking information verifying delivery
- 3) Copy of email to EPA Region 6 that included a copy of the June 11, 2024 notification
- 4) Email from EPA Region 6 acknowledging the submittal

Please let me know if you need any additional information.

Sincerely,

Chris Smith
2555 Savannah Avenue, Port Arthur, TX 77640
Email: Christopher.Smith@Motiva.com
Office: 1.409.205.5761



From: Carolyn Thomas <Carolyn.Thomas@tceq.texas.gov>
Sent: Monday, March 3, 2025 5:59 PM
To: Moffett, Jody <Jody.Moffett@motiva.com>; Guilhas, Gary <Gary.Guilhas@Motiva.com>; Smith, Christopher <Christopher.Smith@motiva.com>
Subject: [EXTERNAL]Motiva Enterprises LLC TV Permit 1386, Project 37602

You don't often get email from carolyn.thomas@tceq.texas.gov. [Learn why this is important](#)

This Message Is From an External Sender:

This email originated from outside of the Motiva organization. Do not click links or open attachments

unless you recognize the sender and know the content is safe. NEVER give out your user ID or password!

We have received your application for the above referenced facility and it is currently under review. The following item(s) are required before we can declare the application administratively complete:

Need Form CRO to updated Responsible from Jeff Newman to Jody M. Moffett.

This message and all attachments are proprietary and confidential. Any retention, review, use, dissemination, forwarding, printing, copying, disclosure or distribution by persons other than the intended recipients is prohibited and may be unlawful. If you have received this communication in error, please contact the sender and delete this message and any copy of it (in any form) without disclosing it. Unless expressly stated in this email, nothing in this message should be construed as a digital or electronic signature. Thank you for your cooperation.



June 11, 2024

CERTIFIED MAIL – RETURN RECEIPT REQUESTED # 9589 0710 5270 0134 3793 83

Air Permits Division (MC 163)
Texas Commission on Environmental Quality (TCEQ)
P.O. Box 13087
Austin, TX 78711-3087

**Re: Update to Responsible Official and Designation of Duly Authorized Representative
Motiva Enterprises LLC
Port Arthur, Jefferson County, Texas
Customer Number: CN600124051
Port Arthur Refinery Regulated Entity Number: RN100209451
Port Arthur Terminal Regulated Entity Number: RN100238898**

To the TCEQ Air Permits Division:

Enclosed are signed TCEQ OP-CRO2 and OP-DEL forms for the Motiva Enterprises LLC (Motiva) Port Arthur Refinery and the Port Arthur Terminal. Mr. Jody Moffett, Vice President & General Manager of Motiva Enterprises LLC, is replacing Mr. Jeff Newman as the Responsible Official (RO). Additionally, Mr. Moffett is designating Mr. Gary Guilhas, Vice President, Production, as the Duly Authorized Representative (DAR). The effective date of these changes is June 11, 2024.

Please revise the information in your records to reflect this change. If you have any questions, please contact Mr. Chris Smith of my staff at (409) 205-5761.

Sincerely,

A handwritten signature in blue ink that reads "Damian Fryoux".

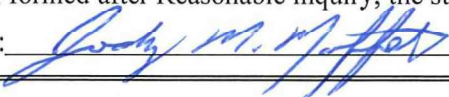
Damian Fryoux
Environmental Director
Motiva Enterprises LLC

Enclosures

cc: Regional Director, TCEQ Region 10, Beaumont, Texas
EPA Region 6, Air Permits Section (electronically)

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.:	JE0095D	RN:	RN100209451
		CN:	CN600124051
Permit No.:	O1386	Area Name: Port Arthur Refinery	
Company Name:		Motiva Enterprises LLC	
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: Jody Moffett			
Title: Vice President and General Manager		Appointment Effective Date: 06/11/2024	
Telephone No.: (409) 989-3230		Fax No.:	
Company Name: Motiva Enterprises LLC			
Mailing Address: P.O. Box 712			
City: Port Arthur		State: TX	ZIP Code: 77641
E-mail Address: Jody.Moffett@Motiva.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>Jody Moffett</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>6/11/2024</u>	

Form OP-CRO2
Change of Responsible Official (Extension)
Federal Operating Permit Program

V. Additional Identifying Information		
Account No.: JE0094F	RN: RN100238898	CN: CN600124051
Permit No.: O2889	Area Name: Port Arthur Terminal	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
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Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	
Account No.:	RN:	CN:
Permit No.:	Area Name:	

Reset Form

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.: JE0095D	RN: RN100209451	CN: CN600124051
Permit No.: O1386	Area Name: Port Arthur Refinery	
Company Name: Motiva Enterprises LLC		
II. Duly Authorized Representative Information		
Action Type:	☒ New DAR Identification ☐ Administrative Information Change	
Conventional Title: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
Name: Gary Guilhas		
Title: Vice President, Production	Delegation Effective Date: 06/11/2024	
Telephone No.: (409) 989-7487	Fax No.:	
Company Name: Motiva Enterprises LLC		
Mailing Address: P.O. Box 712		
City: Port Arthur	State: TX	ZIP Code: 77641
E-mail Address: Gary.Guilhas@Motiva.com		
III. Certification of Truth, Accuracy, and Completeness		
I, <u>Jody Moffett</u> , certify that, based on (Name printed or typed: RO for New DAR Identification; RO or DAR for Administrative Information Change) information and belief formed after reasonable inquiry, the statements, and information stated above are true, accurate, and complete. (RO signature required for New DAR Identification only; DAR signature required for any Action Type)		
Responsible Official Signature: <u>[Signature]</u>		Date: <u>6/11/2024</u>
Duly Authorized Representative Signature: <u>[Signature]</u>		Date: <u>6/11/2024</u>
IV. Removal of Duly Authorized Representative(s)		
The following should be removed as Duly Authorized Representative(s): <u>Jody Moffett</u> Effective Date: <u>6/11/2024</u> (Name(s) printed or typed)		
Responsible Official Signature: <u>[Signature]</u>		Date: <u>6/11/2024</u>

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

V. Additional Identifying Information			
Account No.:	JE0094F	RN:	RN100238898
CN:	CN600124051		
Permit No.:	O2889	Area Name:	Port Arthur Terminal
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	
Account No.:		RN:	
CN:			
Permit No.:		Area Name:	

Reset Form

Carolyn Thomas

From: Carolyn Thomas
Sent: Monday, March 3, 2025 6:00 PM
To: 'Jody.Moffett@Motiva.com'
Subject: FW: Motiva Enterprises LLC TV Permit 1386, Project 37602

Please send an update form CRO to certify application.

Thank you,
Carolyn Thomas
Air Permits Initial Review Team
Air Permits Division, MC 161
Office of Air Texas Commission on Environmental Quality
Phone: (512) 239-5127
Fax: (512) 233-0973
E-mail: carolyn.thomas@tceq.texas.gov
Web site: www.tceq.texas.gov
Please consider whether it is necessary to print this e-mail.
How are we doing? www.tceq.texas.gov/customersurvey

From: Carolyn Thomas
Sent: Monday, March 3, 2025 5:59 PM
To: 'Jody.Moffett@Motiva.com' <Jody.Moffett@Motiva.com>; 'Gary.Guilhas@Motiva.com' <Gary.Guilhas@Motiva.com>; 'Christopher.Smith@Motiva.com' <Christopher.Smith@Motiva.com>
Subject: Motiva Enterprises LLC TV Permit 1386, Project 37602

We have received your application for the above referenced facility and it is currently under review. The following item(s) are required before we can declare the application administratively complete:

Need Form CRO2 to updated Responsible from Jeff Newman to Jody M. Moffett.

MINOR REVISION APPLICATION

Site Operating Permit Number 01386



**Motiva Enterprises LLC/
Port Arthur Refinery
CN600124051
RN100209451**

Prepared by:
Tara Capobianco, P.E.

TRINITY CONSULTANTS
9737 Great Hills Trail
Suite 340
Austin, TX 78759
512-436-4072

January 2025



TABLE OF CONTENTS

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3. UNIT ATTRIBUTE FORMS	3-1
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1. PROJECT INFORMATION

Motiva Enterprises LLC (Motiva) owns and operates its Port Arthur Refinery in Jefferson County, Texas. Facilities at the site operate under Site Operating Permit Number O1386. The purpose of this application is to update applicable requirements and New Source Review permitting references for certain storage tanks. Updates include identification of negative applicability citations; however, Motiva is not requesting any new permit shields in this action. Motiva may request new permit shields for these items at the next significant permit revision or renewal.

Motiva also requests removal of demolished and dismantled equipment from the permit and removal of a compliance plan and schedule for tanks and totes that is no longer needed with the completion of the specified corrective actions. The application also incorporates additional PBR claims for fugitives and includes an updated Permit By Rule Supplemental Table.

2. ADMINISTRATIVE FORMS

This section contains the following forms and information:

- ▶ Form OP-CRO1 – Certification by Responsible Official
- ▶ Form OP-2 – Application for Permit Revision/Renewal
- ▶ Form OP-SUMR – Individual Unit Summary for Revisions
- ▶ Form OP-ACPS – Application Compliance Plan and Schedule
- ▶ Form OP-PBRSUP – Permits By Rule Supplemental Table

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: RN100209451
CN: CN600124051
Account No.: JE0095D
Permit No.: O1386
Project No.: TBA
Area Name: Port Arthur Refinery
Company Name: Motiva Enterprises LLC
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

IV. Certification of Truth

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

I, Jody M. Moffett certify that I am the Responsible Official (RO)
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period or Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ to _____
(Start Date) *(End Date)*

Specific Dates: 01/28/2025 _____
(Date 1) *(Date 2)* *(Date 3)* *(Date 4)*

(Date 5) *(Date 6)*

Signature: _____ Signature Date: _____

Title: Vice President and General Manager Port Arthur Refinery

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

Date: 01/28/2025	
Permit No.: O1386	
Regulated Entity No.: RN100209451	
Company Name: Motiva Enterprises LLC	
For Submissions to EPA	
Has an electronic copy of this application been submitted (or is being submitted) to EPA? ☒ YES ☐ NO	
I. Application Type	
Indicate the type of application:	
☐ Renewal	
☒ Streamlined Revision (Must include provisional terms and conditions as explained in the instructions.)	
☐ Significant Revision	
☐ Revision Requesting Prior Approval	
☐ Administrative Revision	
☐ Response to Reopening	
II. Qualification Statement	
For SOP Revisions Only ☒ YES ☐ NO	
For GOP Revisions Only ☐ YES ☐ NO	

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

III. Major Source Pollutants (Complete this section if the permit revision is due to a change at the site or change in regulations.)

Indicate all pollutants for which the site is a major source based on the site's potential to emit:
(Check the appropriate box[es].)

☒ VOC ☒ NO_x ☒ SO₂ ☒ PM₁₀ ☒ CO ☐ Pb ☒ HAP

Other: GHG

IV. Reference Only Requirements (For reference only)

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)? ☒ YES ☐ NO ☐ N/A

V. Delinquent Fees and Penalties

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

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

Date:	01/28/2025
Permit No.:	01386
Regulated Entity No.:	RN100209451
Company Name:	Motiva Enterprises LLC

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

Revision No.	Revision Code	Unit/Group/Process			NSR Authorization	Description of Change and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-C	NO	TK 2111	OP-UA3, OP-UA1	N/A	Remove MACT CC requirements and add negative applicability citation; add MACT EEEE requirements
2	MS-C	NO	TK01930	OP-SUMR	N/A	Remove demolished tank from permit
3	MS-C	NO	TK21775	OP-SUMR	N/A	Remove demolished tank from permit
4	MS-C	NO	TK01415	OP-SUMR	N/A	Correct NSR authorization
5	MS-B	NO	TK01740	OP-UA3, OP-MON	N/A	Update NSPS applicability from Ka to Kb; revise NSPS Kb negative applicability citation since unit is subject only to MACT EEEE; remove NSPS Ka periodic monitoring tables
6	MS-B	NO	TK01741	OP-UA3, OP-MON	N/A	Update NSPS applicability from Ka to Kb; revise NSPS Kb negative applicability citation since unit is subject only to MACT EEEE; remove NSPS Ka periodic monitoring tables
7	MS-C	NO	Tanks, Totes	OP-ACPS	N/A	Remove compliance schedule
8	MS-C	NO	TK01506	OP-UA1	N/A	Remove MACT EEEE permit shield and add MACT EEEE requirements
9	MS-C	NO	TK01507	OP-UA1	N/A	Remove MACT EEEE permit shield and add MACT EEEE requirements
10	MS-C	NO	TK01509	OP-UA1	N/A	Remove MACT EEEE permit shield and add MACT EEEE requirements
11	MS-C	NO	TK01508	OP-UA3	N/A	Update Chapter 115 storage tank requirements
12	MS-A	NO	TK01506	OP-SUMR	167411	Update NSR authorizations
13	MS-A	NO	N/A	OP-REQ1	various	Update NSR authorizations
14	MS-C	NO	STMBLR1	OP-SUMR	N/A	Remove dismantled equipment from permit
15	MS-C	NO	STMBLR2	OP-SUMR	N/A	Remove dismantled equipment from permit
16	MS-C	NO	STMBLR3	OP-SUMR	N/A	Remove dismantled equipment from permit
17	MS-C	NO	STMBLR4	OP-SUMR	N/A	Remove dismantled equipment from permit
18	MS-A	NO	PARFUG	OP-SUMR	various	Update NSR authorizations
19	MS-A	NO	CEPFUG	OP-SUMR	various	Update NSR authorizations
20	MS-A	NO	TK00003	OP-SUMR	167411	Update NSR authorizations
21	MS-A	NO	TK00013	OP-SUMR	167411	Update NSR authorizations
22	MS-A	NO	TK01876	OP-SUMR	106.532	Update NSR authorizations
23	MS-A	NO	TK01877	OP-SUMR	106.532	Update NSR authorizations

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.			
01/28/2025		01386		RN100209451			
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	TK01930	N/A	TANK 01930			
D	3	TK21775	N/A	TANK 21775			
	4	TK01415	N/A	TANK 01415		8404 86/05/04/1994	PSDTX1062M4, PSDTX1534M1
	12	TK01506	N/A	STORAGE TANK NO. 1506		106.472/03/14/1997 106.261/11/01/2003[167411], 106.262/11/01/2003[167411], 106.478/09/04/2000[167411]	
D	14	STMBLR1	N/A	STEAM BOILER NO. 1			
D	15	STMBLR2	N/A	STEAM BOILER NO. 2			
D	16	STMBLR3	N/A	STEAM BOILER NO. 3			
D	17	STMBLR4	N/A	STEAM BOILER NO. 4			
	18	PARFUG	N/A	PORT ARTHUR REFINERY FUGITIVES		8404, 106.261/11/01/2003 [156220, 160605, 162058, 164413, 168491, 167411], 106.262/11/01/2003 [156220, 162058, 163335, 167411, 174754, 175809]	PSDTX1062M4, PSDTX1534M1
	19	CEPFUG	N/A	CEP FUGITIVE EMISSIONS		6056, 106.261/11/01/2003 [156220, 160291, 160605, 162058, 164413, 167338, 168491, 169175, 169806, 167411], 106.262/11/01/2003 [156220, 162058, 165051, 167338, 169175, 169806, 170201, 167411, 174550, 175809]	PSDTX1062M4, PSDTX1534M1
	20	TK00003	N/A	STORAGE TANK NO. 3		106.472/09/04/2000 106.261/11/01/2003[167411], 106.262/11/01/2003[167411], 106.478/09/04/2000[167411]	
	21	TK00013	N/A	STORAGE TANK NO. 13		106.472/09/04/2000 106.261/11/01/2003[167411], 106.262/11/01/2003[167411], 106.478/09/04/2000[167411]	
	22	TK01876	N/A	TANK 01876		106.472/09/04/2000 106.532/09/04/2000	
	23	TK01877	N/A	TANK 01877		106.472/09/04/2000 106.532/09/04/2000	

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

Date: 01/28/2025	Regulated Entity No.: RN100209451	Permit No.: O1386
Company Name: Motiva Enterprises LLC		Area Name: Port Arthur Refinery

Part 2

A. Compliance Schedule		
If there are non-compliance situations ongoing at time of application, then complete a separate OP-ACPS Part 2 for each separate non-compliance situation. <i>(See form instruction for details.)</i> If there are no non-compliance situations ongoing at time of application, then this section is not required to be completed.		
1. Specific Non-Compliance Situation		
Unit/Group/Process ID No.(s): Tanks, Totes		
SOP Index No.: N/A		
Pollutant: VOC, H2SO4		
Applicable Requirement		
Citation	Text Description	
30 TAC §116.110(a)	Any person must obtain a permit or satisfy conditions in 30 TAC Chapter 116 who plans to construct any new facility or engage in modification of any existing facility which may emit air contaminants.	
2. Compliance Status Assessment Method and Records Location		
Citation	Text Description	Location of Records/Documentation
N/A	N/A	Environmental Files
3. Non-compliance Situation Description		
Failure to submit an authorization in accordance with 30 TAC Chapter 116 or document a claimed (non-registered) Permit By Rule (PBR) as required.		
4. Corrective Action Plan Description		
Motiva will submit an authorization in accordance with 30 TAC Chapter 116 or document a claimed (non-registered) Permit By Rule (PBR) as required.		
5. List of Activities/Milestones to Implement the Corrective Action Plan		
1. Verify tanks and totes requiring authorization. 2. Submit an authorization application to the TCEQ when required. 1) On December 15, 2021, Motiva submitted a Permit by Rule (PBR) application to the TCEQ for additives stored in various totes and tanks. The TCEQ issued PBR Registration No. 167411 on January 7, 2022 (§ 106.261, § 106.262, and § 106.478).		

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

Date: 01/28/2025	Regulated Entity No.: RN100209451	Permit No.: O1386
Company Name: Motiva Enterprises LLC		Area Name: Port Arthur Refinery

Part 2 (continued)

~~1. Verify tanks and totes requiring authorization. 2. Submit an authorization application to the TCEQ when required.~~ 2) On March 8, 2023, Motiva submitted a PBR application to the TCEQ for water additives stored in various totes and tanks. In response to comments from the TCEQ, a revised application package was submitted on April 5, 2023. The TCEQ issued PBR Registration No. 172015 on April 17, 2023 (§ 106.261, § 106.262, § 106.472, and § 106.473).

~~1. Verify tanks and totes requiring authorization. 2. Submit an authorization application to the TCEQ when required.~~ 3) On August 17, 2023, Motiva submitted a PBR revision for registered PBR No. 167411. The TCEQ acknowledged the revision for PBR No. 167411 in correspondence dated August 29, 2023 (§ 106.261, § 106.262, and § 106.478).

~~3. Document claimed (non-registered) Permit By Rule as required.~~ 4) Motiva has documented claimed (non-registered) PBRs in environmental files and on the PBR Supplemental Tables.

6. Previously Submitted Compliance Plan(s)

Type of Action	Date Submitted

7. Progress Report Submission Schedule

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
SWENG0002	113586	106.512	1/31/2014
SWENG9003	113586	106.512	1/31/2014
SWENG2001	113586	106.512	1/31/2014
SWENG9012	113586	106.512	1/31/2014
RESENG2005	113586	106.512	1/31/2014
RESENG1008	113586	106.512	1/31/2014
DCU2ENG3102	113586	106.512	8/24/2015
DCU2ENG3124	113586	106.512	8/24/2015
VPSSFE	153153	106.261, 106.262, 106.472	10/17/2018
NALSOVPS5	153153	106.261, 106.262, 106.472	10/17/2018
FCRU4	156220	106.261, 106.262	5/24/2019
FHTU2	156220	106.261, 106.262	5/24/2019
FLCDU	156220	106.261, 106.262	5/24/2019
FLHCU	156220	106.261, 106.262	5/24/2019
FVPS2	156220	106.261, 106.262	5/24/2019
FVPS4	156220	106.261, 106.262	5/24/2019
EFCCU3	156220	106.261, 106.262	5/24/2019
ECRU4	156220	106.261, 106.262	5/24/2019
EFCCU1&2	156220	106.261, 106.262	5/24/2019
EDCU1	156220	106.261, 106.262	5/24/2019
EHCUCU	156220	106.261, 106.262	5/24/2019
EHTU	156220	106.261, 106.262	5/24/2019
EVPS4	156220	106.261, 106.262	5/24/2019
SCRUCU4-2	156220	106.261, 106.262	5/24/2019

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
CEP-FUG	156220	106.261, 106.262	5/24/2019
ESBU2	156220	106.261, 106.262	5/24/2019
EVPS5	156220	106.261, 106.262	5/24/2019
EHC2	156220	106.261, 106.262	5/24/2019
EDCU2	156220	106.261, 106.262	5/24/2019
CEP-FUG	160291	106.261	3/11/2020
SHTU6-1	160291	106.261	3/11/2020
SHTU6-2	160291	106.261	3/11/2020
TK1932	160291	106.261	3/11/2020
TK1933	160291	106.261	3/11/2020
TK1934	160291	106.261	3/11/2020
FPH27	160605	106.261	4/8/2020
FPH57	160605	106.261	4/8/2020
FALKY4	160605	106.261	4/8/2020
FCRU4	160605	106.261	4/8/2020
FGR-1	160605	106.261	4/8/2020
FHTU2	160605	106.261	4/8/2020
FHTU3	160605	106.261	4/8/2020
FHTU4	160605	106.261	4/8/2020
FHTU5	160605	106.261	4/8/2020
FLCDU	160605	106.261	4/8/2020
FMPU3	160605	106.261	4/8/2020
FSPS3	160605	106.261	4/8/2020
FVPS2	160605	106.261	4/8/2020

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
FVPS4	160605	106.261	4/8/2020
CEP-FUG	160605	106.261	4/8/2020
CEP-FUG	162058	106.261, 106.262	8/11/2020
FVPS2	162058	106.261, 106.262	8/11/2020
BULBCR	162772	106.262	10/5/2020
TK01490	162957	106.262	11/5/2020
TK01525	162957	106.262	11/5/2020
FHTU5	163335	106.262	12/9/2020
CEP-FUG	164413	106.261	4/2/2021
FFCCU3	164413	106.261	4/2/2021
FHTU5	164413	106.261	4/2/2021
FVPS2	164413	106.261	4/2/2021
CEP-FUG	165051	106.262	11/22/2024
TOTE5 (SRU 5)	165051	106.262	11/22/2024
TOTE6 (SRU 6)	165051	106.262	11/22/2024
TOTE7 (SRU 7)	165051	106.262	11/22/2024
CEP-FUG	167338	106.261, 106.262	1/4/2022
H2SISO	167339	106.261, 106.262, 106.478	12/30/2021
H2STOTE	167339	106.261, 106.262, 106.478	12/30/2021
H2SADDFUG	167339	106.261, 106.262, 106.478	12/30/2021
VPS2ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
VPS2ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
VPS2ADDT3	167411	106.261, 106.262, 106.478	1/7/2022
VPS2ADDT4	167411	106.261, 106.262, 106.478	1/7/2022

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
VPS2ADDT5	167411	106.261, 106.262, 106.478	1/7/2022
VPS2ADDT6	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT3	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT4	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT5	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT6	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT7	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT8	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT9	167411	106.261, 106.262, 106.478	1/7/2022
VPS4ADDT10	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT1 (TK00001)	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT3	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT4	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT5	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT6 (TK00004)	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT7	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT8	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT9	167411	106.261, 106.262, 106.478	1/7/2022
VPS5ADDT10	167411	106.261, 106.262, 106.478	1/7/2022
SBU2ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
FCCUADDT1	167411	106.261, 106.262, 106.478	1/7/2022

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
FCCUADDT2	167411	106.261, 106.262, 106.478	1/7/2022
FCCUADDT3	167411	106.261, 106.262, 106.478	1/7/2022
FCCUADDT4	167411	106.261, 106.262, 106.478	1/7/2022
FCCUADDT5	167411	106.261, 106.262, 106.478	1/7/2022
FCCUADDT6	167411	106.261, 106.262, 106.478	1/7/2022
ALKYADDT1	167411	106.261, 106.262, 106.478	1/7/2022
ALKYADDT2	167411	106.261, 106.262, 106.478	1/7/2022
DCU1ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
DCU1ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
DCU2ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
DCU2ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
NHTU1ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
CRU4ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
CRU4ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
NHTU2ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
NHTU2ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
CRU5ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
CRU5ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
HTU2ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
HTU2ADDT2	167411	106.261, 106.262, 106.478	1/7/2022
HTU3ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
HTU4ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
HTU5ADDT1	167411	106.261, 106.262, 106.478	1/7/2022
LHCUADDT1	167411	106.261, 106.262, 106.478	1/7/2022

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
DHTADDT1	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT1	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT2	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT3	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT4	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT5	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT6	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT7	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT8	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT9 (TK01507)	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT10 (TK01509)	167411	106.261, 106.262, 106.478	1/7/2022
LOGADDT11 (TK01508)	167411	106.261, 106.262, 106.478	1/7/2022
FPH27	168491	106.261	4/26/2022
CEP-FUG	168491	106.261	4/26/2022
FCRU4	168491	106.261	4/26/2022
FFCCU3	168491	106.261	4/26/2022
FCDHDS2	168491	106.261	4/26/2022
FHTU3	168491	106.261	4/26/2022
FHTU4	168491	106.261	4/26/2022
FHTU5	168491	106.261	4/26/2022
FLCDU	168491	106.261	4/26/2022
FLHCU	168491	106.261	4/26/2022
FARU5	169175	106.261, 106.262	6/3/2022
FTGTU2	169175	106.261, 106.262	6/3/2022

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
CEP-FUG	169175	106.261, 106.262	6/3/2022
CEP-FUG	169806	106.261, 106.262	8/2/2022
CEP-FUG	170201	106.262	9/23/2022
FSRU4	171245	106.262	12/19/2022
FSWS1	171245	106.262	12/19/2022
TK1928	171246	106.262	1/2/2023
Water Additive Tanks and Fugitives	172015	106.261, 106.262, 106.472, 106.473	4/17/2023
FPH27	172303	106.261	5/2/2023
FPH57	172303	106.261	5/2/2023
FALKY4	172303	106.261	5/2/2023
CEP-FUG	172303	106.261	5/2/2023
FCRU4	172303	106.261	5/2/2023
FDCU1	172303	106.261	5/2/2023
FHTU3	172303	106.261	5/2/2023
FHTU4	172303	106.261	5/2/2023
FLHCU	172303	106.261	5/2/2023
FVPS2	172303	106.261	5/2/2023
FVPS4	172303	106.261	5/2/2023
FWSGP	172303	106.261	5/2/2023
SHTU6-1	172303	106.261	5/2/2023
FSWS2	172571	106.262	4/27/2023
CEP-FUG	172571	106.262	4/27/2023
CEP-FUG	173128	106.261, 106.262	7/14/2023
TK01506	167411	106.261, 106.262, 106.478	8/29/2023

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Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	Registration No.	PBR No.	Registration Date
TK00003	167411	106.261, 106.262, 106.478	8/29/2023
TK00013	167411	106.261, 106.262, 106.478	8/29/2023
ADDFUG	167411	106.261, 106.262, 106.478	8/29/2023
FSRU2	174550	106.262	11/21/2023
FTGTU1	174550	106.262	11/21/2023
FSRU3	174550	106.262	11/21/2023
PH57FRAC	174754	106.261, 106.262, 106.478	12/7/2023
PH57DEMUG	174754	106.261, 106.262, 106.478	12/7/2023
FPH57	175809	106.261	4/10/2024
FASTU2	175809	106.261	4/10/2024
FALKY4	175809	106.261	4/10/2024
CEP-FUG	175809	106.261	4/10/2024
FCRU4	175809	106.261	4/10/2024
FDCU1	175809	106.261	4/10/2024
FGR1	175809	106.261	4/10/2024
FGR2	175809	106.261	4/10/2024
FFCCU3	175809	106.261	4/10/2024
FHTU5	175809	106.261	4/10/2024
FLCDU	175809	106.261	4/10/2024
FSPS3	175809	106.261	4/10/2024
FVPS2	175809	106.261	4/10/2024
FWAGS	175809	106.261	4/10/2024
FARU2	178079	106.262	11/22/2024
SHTU4-3	178080	106.261	11/22/2024

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Date	Permit Number	Regulated Entity Number
01/28/2025	O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date
PU10812	106.511	9/4/2000
PU11026	106.511	9/4/2000
PU10129	106.511	9/4/2000
PU9025	106.511	9/4/2000
PU9021	106.511	9/4/2000
PU9023	106.511	9/4/2000
EQ16382	106.511	9/4/2000
EQ16383	106.511	9/4/2000
GEN9697	106.511	9/4/2000
835GEN001	106.511	9/4/2000
PU8940	106.511	9/4/2000
PU6258	106.511	9/4/2000
PU8946	106.511	9/4/2000
PU8949	106.511	9/4/2000
PU8942	106.511	9/4/2000
815PU13636	106.511	9/4/2000
815PU13637	106.511	9/4/2000
815PU13638	106.511	9/4/2000
815PU13639	106.511	9/4/2000
815PU13640	106.511	9/4/2000
815PU13641	106.511	9/4/2000
815PU13642	106.511	9/4/2000
815PU13643	106.511	9/4/2000
815PU13644	106.511	9/4/2000

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Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
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Date	Permit Number	Regulated Entity Number
01/28/2025	O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date
815PU13645	106.511	9/4/2000
815PU13646	106.511	9/4/2000
815PU13651	106.511	9/4/2000
815PU13652	106.511	9/4/2000
815PU13655	106.511	9/4/2000
815PU13656	106.511	9/4/2000
815PU13657	106.511	9/4/2000
815PU13658	106.511	9/4/2000
815PU13659	106.511	9/4/2000
815PU13660	106.511	9/4/2000
815PU13661	106.511	9/4/2000
815PU13662	106.511	9/4/2000
815PU13663	106.511	9/4/2000
815PU13664	106.511	9/4/2000
815PU13665	106.511	9/4/2000
815PU13666	106.511	9/4/2000
PORTPE7308	106.511	9/4/2000
EMERGEN	106.511	9/4/2000
TK38650	106.478	9/4/2000
TK38630	106.476	9/4/2000
TK38660	106.478	9/4/2000
TK01886	106.478	9/4/2000
208TK38629	106.472	9/4/2000
2-490-07	106.472	9/4/2000

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Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
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Date	Permit Number	Regulated Entity Number
01/28/2025	01386	RN100209451
Unit ID No.	PBR No.	Version No./Date
732TK00101	106.472	9/4/2000
TK02034	106.476	9/4/2000
TK02035	106.476	9/4/2000
TK01645	106.472	9/4/2000
TK02122	106.532	9/4/2000
TK01650	106.472	9/4/2000
TK01651	106.472	9/4/2000
FKPS3	106.371	9/4/2000
LR NO 42 FE	106.472	9/4/2000
PS3 RACK	106.472	9/4/2000
SPS3-9	106.511	9/4/2000
TK00007	106.472	9/4/2000
TK01672	106.472	9/4/2000
TK01794	SE83, SE86	09/12/1989, 09/12/1989
TK01795	SE83, SE86	09/12/1989, 09/12/1989
TK01796	SE83, SE86	09/12/1989, 09/12/1989
TK01797	SE83, SE86	09/12/1989, 09/12/1989
TK01798	SE83, SE86	09/12/1989, 09/12/1989
TK01805	106.472	9/4/2000
TK01806	106.472	9/4/2000
TK01810	SE83, SE86	09/12/1989, 09/12/1989
TK01811	SE83, SE86	09/12/1989, 09/12/1989
TK01812	SE83, SE86	09/12/1989, 09/12/1989
TK01813	SE83, SE86	09/12/1989, 09/12/1989

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Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
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Date	Permit Number	Regulated Entity Number
01/28/2025	O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date
TK01833	106.472	9/4/2000
TK01838	106.472	3/14/1997
TK01853	106.472	9/4/2000
TK01854	106.472	9/4/2000
TK01865	106.472	9/4/2000
TK01866	106.472	9/4/2000
TK01869	106.472	9/4/2000
TK01870	106.472	9/4/2000
TK01876	106.532	9/4/2000
TK01877	106.532	9/4/2000
TK01921	106.472	9/4/2000
TK01922	106.472	9/4/2000
TK01927	106.476	9/4/2000
TK02086	106.476	9/4/2000
TK02087	106.476	9/4/2000
TK02090	106.476	9/4/2000
TK02091	106.476	9/4/2000
TK02116	106.476	9/4/2000
TK02117	106.476	9/4/2000
TK02125	106.532	9/4/2000
TK02126	106.532	9/4/2000
TK02137	106.472	9/4/2000
TK08328	106.472	9/4/2000
TK08329	106.472	9/4/2000

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Date	Permit Number	Regulated Entity Number
01/28/2025	O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date
TK08330	106.472	9/4/2000
TK08331	106.472	9/4/2000
TK34955	106.472	9/4/2000
TK34956	106.472	9/4/2000
TK34997	106.472	9/4/2000
TK34998	106.472	9/4/2000
TK38568	106.472	9/4/2000
TK00003	106.472	9/4/2000
TK00013	106.472	9/4/2000
TK01943	106.472	9/4/2000
WSAC - Wet Surface Air Cooler #2	106.371	9/4/2000
TK01510	106.478	9/4/2000
TK01553	106.478	9/4/2000
TK01601	106.478	9/4/2000
TK01415	106.478	9/4/2000
TK01511	106.478	9/4/2000
TK01787	106.478	9/4/2000
TK01885	106.478	9/4/2000
TK01728	106.478	9/4/2000
TK01895	106.478	9/4/2000
TK01913	106.478	9/4/2000
TK01920	106.478	9/4/2000
TK01893	106.478	9/4/2000
TK 2094	106.478	9/4/2000

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Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
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Date	Permit Number	Regulated Entity Number
01/28/2025	O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date
VES36885	106.472	9/4/2000
TKPU11026	106.472	9/4/2000
005TK012	106.472	9/4/2000
TK1845	106.472	9/4/2000
TK1846	106.472	9/4/2000
TKPU6258	106.472	9/4/2000
TK01880	106.472	9/4/2000
TK01875	106.472	9/4/2000
TK01855	106.472	9/4/2000
TK01856	106.472	9/4/2000
TKEQ16382	106.472	9/4/2000
TKEQ16383	106.472	9/4/2000
TKMOBGEN	106.472	9/4/2000
TKRECON1	106.472	9/4/2000
TKRECON2	106.473	9/4/2000
TKMOMIN	106.472	9/4/2000
TKL1AREA	106.472	9/4/2000
Various Diesel Fuel Tanks	106.472	9/4/2000
TKRECON3	106.473	9/4/2000
TKL1AREA2	106.472	9/4/2000
TK02151	106.472	9/4/2000
005TK001	106.472	9/4/2000
TK01644	106.472	9/4/2000
TK02082	106.472	9/4/2000

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Table B: Claimed (not registered) Permits by Rule (30 TAC Chapter 106) for the Application Area
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Date	Permit Number	Regulated Entity Number
01/28/2025	O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date
TK02092	106.472	9/4/2000
TK02137	106.472	9/4/2000
TK02041	106.478	9/4/2000
TkRedDiesel	106.472	9/4/2000
TK01712	106.478	9/4/2000
TK01728	106.478	9/4/2000
TK01894	106.478	9/4/2000

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

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

Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
SWENG0002	106.512	113586	Keep records of operating hours and supporting calculations
SWENG9003	106.512	113586	Keep records of operating hours and supporting calculations
SWENG2001	106.512	113586	Keep records of operating hours and supporting calculations
SWENG9012	106.512	113586	Keep records of operating hours and supporting calculations
RESENG2005	106.512	113586	Keep records of operating hours and supporting calculations
RESENG1008	106.512	113586	Keep records of operating hours and supporting calculations
DCU2ENG3102	106.512	113586	Keep records of operating hours and supporting calculations
DCU2ENG3124	106.512	113586	Keep records of operating hours and supporting calculations
VPS5FE	106.261, 106.262, 106.472	153153	Maintain records of materials handled/stored
NALSOVPS5	106.261, 106.262, 106.472	153153	Maintain records of materials handled/stored
FCRU4	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
FHTU2	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
FLCDU	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
FLHCU	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
FVPS2	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
FVPS4	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
EFCCU3	106.261, 106.262	156220	Monitor monthly average flow data
ECRU4	106.261, 106.262	156220	Monitor monthly average flow data
EFCCU1&2	106.261, 106.262	156220	Monitor monthly average flow data
EDCU1	106.261, 106.262	156220	Monitor monthly average flow data
EHCU	106.261, 106.262	156220	Monitor monthly average flow data
EHTU	106.261, 106.262	156220	Monitor monthly average flow data
EVPS4	106.261, 106.262	156220	Monitor monthly average flow data

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
SCRU4-2	106.261, 106.262	156220	Monitor monthly average flow data
CEP-FUG	106.261, 106.262	156220	Leak Detection and Repair Program (LDAR) Monitoring
ESBU2	106.261, 106.262	156220	Monitor monthly average flow data
EVPS5	106.261, 106.262	156220	Monitor monthly average flow data
EHCU2	106.261, 106.262	156220	Monitor monthly average flow data
EDCU2	106.261, 106.262	156220	Monitor monthly average flow data
CEP-FUG	106.261	160291	Leak Detection and Repair Program (LDAR) Monitoring
SHTU6-1	106.261	160291	Monitor fuel gas flow and heating value
SHTU6-2	106.261	160291	Monitor fuel gas flow and heating value
TK01932	106.261	160291	Monitor monthly tank throughput
TK01933	106.261	160291	Monitor monthly tank throughput
TK01934	106.261	160291	Monitor monthly tank throughput
FPH27	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FPH57	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FALKY4	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FCRU4	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FGR-1	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FHTU2	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FHTU3	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FHTU4	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FHTU5	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FLCDU	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FMPU3	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring

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Table D: Monitoring Requirements for registered and claimed PBRs for the Application Area
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Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
FSPS3	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FVPS2	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
FVPS4	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.261	160605	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.261, 106.262	162058	Leak Detection and Repair Program (LDAR) Monitoring
FVPS2	106.261, 106.262	162058	Leak Detection and Repair Program (LDAR) Monitoring
BULBCR	106.262	162772	Operate with filters per manufacturers guidelines
TK01490	106.262	162957	Monitor monthly tank throughput
TK01525	106.262	162957	Monitor monthly tank throughput
FHTU5	106.262	163335	Maintain records of materials handled/stored
CEP-FUG	106.261	164413	Leak Detection and Repair Program (LDAR) Monitoring
FFCCU3	106.261	164413	Leak Detection and Repair Program (LDAR) Monitoring
FHTU5	106.261	164413	Leak Detection and Repair Program (LDAR) Monitoring
FVPS2	106.261	164413	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.262	165051	Maintain records of materials handled/stored
TOTE5 (SRU 5)	106.262	165051	Maintain records of materials handled/stored
TOTE6 (SRU 6)	106.262	165051	Maintain records of materials handled/stored
TOTE7 (SRU 7)	106.262	165051	Maintain records of materials handled/stored
CEP-FUG	106.261, 106.262	167338	Leak Detection and Repair Program (LDAR) Monitoring
H2SISO	106.261, 106.262, 106.478	167339	Maintain records of materials handled/stored
H2STOTE	106.261, 106.262, 106.478	167339	Maintain records of materials handled/stored
H2SADDFUG	106.261, 106.262, 106.478	167339	Maintain records of materials handled/stored
VPS2ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
VPS2ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS2ADDT3	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS2ADDT4	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS2ADDT5	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS2ADDT6	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT3	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT4	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT5	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT6	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT7	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT8	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT9	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS4ADDT10	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT1 (TK00001)	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT3	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT4	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT5	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT6 (TK00004)	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT7	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPS5ADDT8	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
VPSS5ADDT9	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
VPSS5ADDT10	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
SBU2ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FCCUADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FCCUADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FCCUADDT3	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FCCUADDT4	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FCCUADDT5	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FCCUADDT6	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
ALKYADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
ALKYADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
DCU1ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
DCU1ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
DCU2ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
DCU2ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
NHTU1ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
CRU4ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
CRU4ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
NHTU2ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
NHTU2ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
CRU5ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
CRU5ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
HTU2ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored

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HTU2ADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
HTU3ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
HTU4ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
HTU5ADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LHCUADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
DHTADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT1	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT2	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT3	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT4	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT5	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT6	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT7	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT8	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
LOGADDT9 (TK01507)	106.261, 106.262, 106.478	167411	Monitor monthly tank throughput
LOGADDT10 (TK01509)	106.261, 106.262, 106.478	167411	Monitor monthly tank throughput
LOGADDT11 (TK01508)	106.261, 106.262, 106.478	167411	Monitor monthly tank throughput
FPH27	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FCRU4	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FFCCU3	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FCDHDS2	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FHTU3	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring

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FHTU4	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FHTU5	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FLCDU	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FLHCU	106.261	168491	Leak Detection and Repair Program (LDAR) Monitoring
FARU5	106.261, 106.262	169175	Maintain records of materials handled/stored
FTGTU2	106.261, 106.262	169175	Maintain records of materials handled/stored
CEP-FUG	106.261, 106.262	169175	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.261, 106.262	169806	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.262	170201	Maintain records of materials handled/stored
FSRU4	106.262	171245	Maintain records of materials handled/stored
FSWS1	106.262	171245	Maintain records of materials handled/stored
TK1928	106.262	171246	Annual stack test and monitoring per permit conditions
Water Additive Tanks and Fugitives	106.261, 106.262, 106.472, 106.473	172015	Maintain records of materials handled/stored
FPH27	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FPH57	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FALKY4	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FCRU4	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FDCU1	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FHTU3	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FHTU4	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FLHCU	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FVPS2	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring

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FVPS4	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
FWSGP	106.261	172303	Leak Detection and Repair Program (LDAR) Monitoring
SHTU6-1	106.261	172303	Heater monitoring
FSWS2	106.262	172571	Maintain records of materials handled/stored
CEP-FUG	106.262	172571	Maintain records of materials handled/stored
CEP-FUG	106.261, 106.262	173128	Maintain records of materials handled/stored
TK01506	106.261, 106.262, 106.478	167411	Monitor monthly tank throughput
TK00003	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
TK00013	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
ADDFUG	106.261, 106.262, 106.478	167411	Maintain records of materials handled/stored
FSRU2	106.262	174550	Maintain records of materials handled/stored
FTGTU1	106.262	174550	Maintain records of materials handled/stored
FSRU3	106.262	174550	Maintain records of materials handled/stored
PH57FRAC	106.261, 106.262, 106.478	174754	Maintain records of materials handled/stored
PH57DEMFG	106.261, 106.262, 106.478	174754	Maintain records of materials handled/stored
FPH57	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
FASTU2	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
FALKY4	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
CEP-FUG	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
FCRU4	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
FDCU1	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
FGR1	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring
FGR2	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring

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Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement	
FFCCU3	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring	
FHTU5	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring	
FLCDU	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring	
FSPS3	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring	
FVPS2	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring	
FWAGS	106.261	175809	Leak Detection and Repair Program (LDAR) Monitoring	
FARU2	106.262	178079	Maintain records of materials handled/stored	
SHTU4-3	106.261	178080	Monitor firing rate	
PU10812	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU11026	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU10129	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU9025	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU9021	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU9023	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
EQ16382	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
EQ16383	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
GEN9697	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
835GEN001	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU8940	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU6258	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU8946	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU8949	106.511	9/4/2000	Keep records of operating hours and supporting calculations	
PU8942	106.511	9/4/2000	Keep records of operating hours and supporting calculations	

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815PU13636	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13637	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13638	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13639	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13640	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13641	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13642	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13643	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13644	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13645	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13646	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13651	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13652	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13655	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13656	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13657	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13658	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13659	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13660	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13661	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13662	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13663	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13664	106.511	9/4/2000	Keep records of operating hours and supporting calculations

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815PU13665	106.511	9/4/2000	Keep records of operating hours and supporting calculations
815PU13666	106.511	9/4/2000	Keep records of operating hours and supporting calculations
PORTPE7308	106.511	9/4/2000	Keep records of operating hours and supporting calculations
EMERGEN	106.511	9/4/2000	Keep records of operating hours and supporting calculations
TK38650	106.478	9/4/2000	Monitor monthly tank throughput
TK38630	106.476	9/4/2000	Maintain records of materials handled/stored
TK38660	106.478	9/4/2000	Monitor monthly tank throughput
TK01886	106.478	9/4/2000	Monitor monthly tank throughput
208TK38629	106.472	9/4/2000	Monitor monthly tank throughput
2-490-07	106.472	9/4/2000	Maintain records of materials handled/stored
732TK00101	106.472	9/4/2000	Maintain records of materials handled/stored
TK02034	106.476	9/4/2000	Maintain records of materials handled/stored
TK02035	106.476	9/4/2000	Maintain records of materials handled/stored
TK01645	106.472	9/4/2000	Monitor monthly tank throughput
TK02122	106.532	9/4/2000	Maintain records of materials handled/stored
TK01650	106.472	9/4/2000	Monitor monthly tank throughput
TK01651	106.472	9/4/2000	Monitor monthly tank throughput
FKPS3	106.371	9/4/2000	Maintain documentation of cooling tower operation
LR NO 42 FE	106.472	9/4/2000	Maintain records of materials handled/stored
PS3 RACK	106.472	9/4/2000	Maintain records of materials handled/stored
SPS3-9	106.511	9/4/2000	Keep records of operating hours and supporting calculations
TK00007	106.472	9/4/2000	Maintain records of materials handled/stored
TK01672	106.472	9/4/2000	Monitor monthly tank throughput

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TK01794	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01795	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01796	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01797	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01798	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01805	106.472	9/4/2000	Monitor monthly tank throughput
TK01806	106.472	9/4/2000	Monitor monthly tank throughput
TK01810	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01811	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01812	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01813	SE83, SE86	09/12/1989, 09/12/1989	Maintain records of materials handled/stored
TK01833	106.472	9/4/2000	Maintain records of materials handled/stored
TK01838	106.472	3/14/1997	Maintain records of materials handled/stored
TK01853	106.472	9/4/2000	Monitor monthly tank throughput
TK01854	106.472	9/4/2000	Monitor monthly tank throughput
TK01865	106.472	9/4/2000	Monitor monthly tank throughput
TK01866	106.472	9/4/2000	Monitor monthly tank throughput
TK01869	106.472	9/4/2000	Monitor monthly tank throughput
TK01870	106.472	9/4/2000	Monitor monthly tank throughput
TK01876	106.532	9/4/2000	Maintain records of materials handled/stored
TK01877	106.532	9/4/2000	Maintain records of materials handled/stored
TK01921	106.472	9/4/2000	Maintain records of materials handled/stored
TK01922	106.472	9/4/2000	Maintain records of materials handled/stored

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TK01927	106.476	9/4/2000	Maintain records of materials handled/stored
TK02086	106.476	9/4/2000	Maintain records of materials handled/stored
TK02087	106.476	9/4/2000	Maintain records of materials handled/stored
TK02090	106.476	9/4/2000	Maintain records of materials handled/stored
TK02091	106.476	9/4/2000	Maintain records of materials handled/stored
TK02116	106.476	9/4/2000	Maintain records of materials handled/stored
TK02117	106.476	9/4/2000	Maintain records of materials handled/stored
TK02125	106.532	9/4/2000	Maintain records of materials handled/stored
TK02126	106.532	9/4/2000	Maintain records of materials handled/stored
TK02137	106.472	9/4/2000	Maintain records of materials handled/stored
TK08328	106.472	9/4/2000	Monitor monthly tank throughput
TK08329	106.472	9/4/2000	Monitor monthly tank throughput
TK08330	106.472	9/4/2000	Monitor monthly tank throughput
TK08331	106.472	9/4/2000	Monitor monthly tank throughput
TK34955	106.472	9/4/2000	Maintain records of materials handled/stored
TK34956	106.472	9/4/2000	Maintain records of materials handled/stored
TK34997	106.472	9/4/2000	Maintain records of materials handled/stored
TK34998	106.472	9/4/2000	Maintain records of materials handled/stored
TK38568	106.472	9/4/2000	Maintain records of materials handled/stored
TK00003	106.472	9/4/2000	Maintain records of materials handled/stored
TK00013	106.472	9/4/2000	Maintain records of materials handled/stored
TK01943	106.472	9/4/2000	Maintain records of materials handled/stored
WSAC - Wet Surface Air Cooler #2	106.371	9/4/2000	Maintain documentation of operation

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TK01510	106.478	9/4/2000	Monitor monthly tank throughput	
TK01553	106.478	9/4/2000	Monitor monthly tank throughput	
TK01601	106.478	9/4/2000	Monitor monthly tank throughput	
TK01415	106.478	9/4/2000	Monitor monthly tank throughput	
TK01511	106.478	9/4/2000	Monitor monthly tank throughput	
TK01787	106.478	9/4/2000	Monitor monthly tank throughput	
TK01885	106.478	9/4/2000	Monitor monthly tank throughput	
TK01728	106.478	9/4/2000	Monitor monthly tank throughput	
TK01895	106.478	9/4/2000	Monitor monthly tank throughput	
TK01913	106.478	9/4/2000	Monitor monthly tank throughput	
TK01920	106.478	9/4/2000	Monitor monthly tank throughput	
TK01893	106.478	9/4/2000	Monitor monthly tank throughput	
TK 2094	106.478	9/4/2000	Monitor monthly tank throughput	
VES36885	106.472	9/4/2000	Maintain records of materials handled/stored	
TKPU11026	106.472	9/4/2000	Maintain records of materials handled/stored	
005TK012	106.472	9/4/2000	Maintain records of materials handled/stored	
TK1845	106.472	9/4/2000	Maintain records of materials handled/stored	
TK1846	106.472	9/4/2000	Maintain records of materials handled/stored	
TKPU6258	106.472	9/4/2000	Maintain records of materials handled/stored	
TK01880	106.472	9/4/2000	Maintain records of materials handled/stored	
TK01875	106.472	9/4/2000	Maintain records of materials handled/stored	
TK01855	106.472	9/4/2000	Maintain records of materials handled/stored	
TK01856	106.472	9/4/2000	Maintain records of materials handled/stored	

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Date		Permit Number	Regulated Entity Number
01/28/2025		O1386	RN100209451
Unit ID No.	PBR No.	Version No./Date Or Registration No.	Monitoring Requirement
TKEQ16382	106.472	9/4/2000	Maintain records of materials handled/stored
TKEQ16383	106.472	9/4/2000	Maintain records of materials handled/stored
TKMOBGEN	106.472	9/4/2000	Maintain records of materials handled/stored
TKRECON1	106.472	9/4/2000	Maintain records of materials handled/stored
TKRECON2	106.473	9/4/2000	Maintain records of materials handled/stored
TKMOMIN	106.472	9/4/2000	Maintain records of materials handled/stored
TKL1AREA	106.472	9/4/2000	Maintain records of materials handled/stored
Various Diesel Fuel Tanks	106.472	9/4/2000	Maintain records of materials handled/stored
TKRECON3	106.473	9/4/2000	Maintain records of materials handled/stored
TKL1AREA2	106.472	9/4/2000	Maintain records of materials handled/stored
TK02151	106.472	9/4/2000	Maintain records of materials handled/stored
005TK001	106.472	9/4/2000	Maintain records of materials handled/stored
TK01644	106.472	9/4/2000	Maintain records of materials handled/stored
TK02082	106.472	9/4/2000	Maintain records of materials handled/stored
TK02092	106.472	9/4/2000	Maintain records of materials handled/stored
TK02137	106.472	9/4/2000	Maintain records of materials handled/stored
TK02041	106.478	9/4/2000	Monitor monthly tank throughput
TkRedDiesel	106.472	9/4/2000	Maintain records of materials handled/stored
TK01712	106.478	9/4/2000	Monitor monthly tank throughput
TK01728	106.478	9/4/2000	Monitor monthly tank throughput
TK01894	106.478	9/4/2000	Monitor monthly tank throughput

3. UNIT ATTRIBUTE FORMS

This section contains the following Unit Attribute Forms:

- ▶ Form OP-UA1 – Miscellaneous and Generic Unit Attributes
- ▶ Form OP-UA3 – Storage Tank/Vessel Attributes

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

Date: 01/28/2025	Permit No.: 01386	Regulated Entity No.: RN100209451
Area Name: Port Arthur Refinery		Customer Reference No.: CN600124051

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
TK 2111	63EEEE-03	EU	N/A	N/A	N/A	Storage tank subject to MACT EEEE routing emissions to fuel gas system
TK01506	63EEEE-02	EU	N/A	N/A	N/A	Tank is subject to requirements under §63.2343(b) but does not require control because vapor pressure is below 4 psia
TK01507	63EEEE-02	EU	N/A	N/A	N/A	Tank is subject to requirements under §63.2343(b) but does not require control because vapor pressure is below 4 psia
TK01509	63EEEE-02	EU	N/A	N/A	N/A	Tank is subject to requirements under §63.2343(b) but does not require control because vapor pressure is below 4 psia

Texas Commission on Environmental Quality
Storage Tank/Vessel Attributes
Form OP-UA3 (Page 2)

Federal Operating Permit Program

Table 2: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)

Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids

Date:	01/28/2025
Permit No.:	01386
Regulated Entity No.:	RN100209451

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	True Vapor Pressure	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.
TK01740	60Ka	PTLQ-2	40K+	1.5 11.1	VRS-RD2		OTH1+			
TK01741	60Ka	PTLQ-2	40K+	1.5 11.1	VRS-RD2		OTH1+			

Texas Commission on Environmental Quality
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)

Date:	01/28/2025
Permit No.:	01386
Regulated Entity No.:	RN100209451

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
TK01508	R5111-a1	NO		VOC1	A1K-25K			

Texas Commission on Environmental Quality
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)

Date:	01/28/2025
Permit No.:	01386
Regulated Entity No.:	RN100209451

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.
TK01508	R5111-a1		NONE1 <u>SFP1</u>	1.1.5 <u>1.5+A</u>				

Texas Commission on Environmental Quality
Storage Tank/Vessel Attributes
Form OP-UA3 (Page 15)

Federal Operating Permit Program

Table 10a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)

Subpart CC: National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries

Date:	01/28/2025
Permit No.:	01386
Regulated Entity No.:	RN100209451

Unit ID No.	SOP Index No.	Specified in 40 CFR §63.640(g)(1)-(6)	Subject to 40 CFR Part 63, Subparts F, G, H, or I	Group 1 Storage Vessel	Group 1 Applicability	Group 2 Applicability	Storage Vessel Description	Reid Vapor Pressure	Estimated TVP
TK 2111	63CC-TK2111	NO	NO	NO	CCPRO				

4. APPLICABLE REQUIREMENTS SUMMARY FORMS

This section contains the following Applicable Requirement Summary Forms:

- ▶ Form OP-REQ1—Application Area-Wide Applicability Determinations and General Information
- ▶ Form OP-REQ2 – Negative Applicable Requirements Determinations
- ▶ Form OP-REQ3 – Applicable Requirements Summary

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 88)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

E. PSD Permits and PSD Major Pollutants

Permit No.	Issuance Date	Pollutant(s):	Permit No.	Issuance Date	Pollutant(s):
PSDTX1062M4	01/28/2022		GHGPSDTX156	01/28/2022	
PSDTX1404	06/01/2018				
PSDTX1534M1	01/28/2022				
GHGPSDTX121M1	01/28/2022				

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

Permit No.	Issuance Date	Pollutant(s):	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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 89)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
01/28/2025	O1386	RN100209451

For SOP applications, answer ALL questions unless otherwise directed.

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

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

- ◆ **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.	Issuance Date	Authorization No.	Issuance Date	Authorization No.	Issuance Date
6056	01/28/2022	165961	08/25/2021		
8404	02/04/2020	168869	05/26/2022		
54322	09/22/2021	169339	07/05/2022		
56287	06/01/2018				

- ◆ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.	Version No./Date	PBR No.	Version No./Date	PBR No.	Version No./Date
83	09/12/1989	106.261	11/01/2003	106.511	09/04/2000
86	09/12/1989	106.262	11/01/2003	106.512	06/13/2001
		106.263	11/01/2001	106.532	09/04/2000
		106.371	09/04/2000		
		106.472	03/14/1997		
		106.472	09/04/2000		
		106.476	09/04/2000		
		106.478	09/04/2000		

- ◆ **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

Texas Commission on Environmental Quality
Form OP-REQ2
 Negative Applicable Requirement Determinations
 Federal Operating Permit Program

Date: 01/28/2025	Permit No.: 01386	Regulated Entity No.: RN100209451
Area Name: Port Arthur Refinery		Customer Reference No.: CN600124051

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability/Superseded Requirement Citation	Negative Applicability/Superseded Requirement Reason
A	1	TK 2111	OP-UA3	MACT CC	§ 63.640(d)(5)	Emission points are routed to the refinery fuel gas system.
	5	TK01740	OP-UA3	NSPS Kb	§ 60.110b(a) § 63.2396(a)(3)	Construction, reconstruction or modification commenced before July, 23 1984. <u>Electing to comply only with the requirements of 40 CFR 63 EEEE for storage tanks meeting the applicability criteria for control in Table 2.</u>
	6	TK01741	OP-UA3	NSPS Kb	§ 60.110b(a) § 63.2396(a)(3)	Construction, reconstruction or modification commenced before July, 23 1984. <u>Electing to comply only with the requirements of 40 CFR 63 EEEE for storage tanks meeting the applicability criteria for control in Table 2.</u>
D	8	TK01506	OP-REQ2	MACT EEEE	§ 63.2406	Does not fit the description of an organic liquid; stores an organic liquid that contains < 5% HAPs by weight
D	9	TK01507	OP-REQ2	MACT EEEE	§ 63.2406	Does not fit the description of an organic liquid; stores an organic liquid that contains < 5% HAPs by weight
D	10	TK01509	OP-REQ2	MACT EEEE	§ 63.2406	Does not fit the description of an organic liquid; stores an organic liquid that contains < 5% HAPs by weight

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

Table 1a: Additions

Date: 01/28/2025	Regulated Entity No.: RN100209451	Permit No.: 01386
Company Name: Motiva Enterprises LLC	Area Name: Port Arthur Refinery	

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	TK 2111	OP-REQ2	63CC-TK2111	HAPS	MACT CC	§ 63.640(e)(2) § 63.642(b) § 63.642(n)
1	TK 2111	OP-UA1	63-EEEE-03	HAPS	MACT EEEE	§ 63.2346(a)(2) § 63.2342(e) § 63.2346(a) § 63.2346(a)(2)- Table 2.5.a.i § 63.2346(a)(6)- Table 4.1.b § 63.2346(l)(3) § 63.2370(a)-Table 7.1.b.i § 63.2370(a)-Table 7.2.b.i § 63.2378(a) § 63.2378(a)-Table 10.6.a.i § 63.2378(b) § 63.2378(b)(1) § 63.2378(b)(3) § 63.2378(d) § 63.2378(e) § 63.980 § 63.982(a)(1) § 63.982(d) § 63.984(a)(1) § 63.984(b)(1) [G]§ 63.984(b)(2) § 63.984(b)(3)

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

Table 1b: Additions

Date: 01/28/2025	Regulated Entity No.: RN100209451	Permit No.: 01386
Company Name: Motiva Enterprises LLC	Area Name: Port Arthur Refinery	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
1	TK 2111	63CC-TK2111	HAPS	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(iii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(iii)
1	TK 2111	63-EEEE-03	HAPS	§ 63.2350(b) § 63.2358(b)(2) § 63.2374(a) § 63.2378(b)(2) § 63.984(a)(1) § 63.984(b)(1)	§ 63.2394(a) § 63.2394(b) § 63.2394(c) § 63.984(a)(1) [G]§ 63.998(b)(1) [G]§ 63.998(b)(2) [G]§ 63.998(b)(3) [G]§ 63.998(d)(2) § 63.998(d)(3)(i) § 63.998(d)(3)(ii) § 63.998(d)(5)	§ 63.2370(c) § 63.2386(a) § 63.2386(b) § 63.2386(b)(1)(i) § 63.2386(b)(1)(ii) § 63.2386(b)(2)(i) § 63.2386(b)(2)(ii) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.2.a.i § 63.984(a)(1) § 63.984(c) [G]§ 63.998(b)(3) § 63.999(b)(1) § 63.999(b)(1)(i) § 63.999(b)(1)(ii) § 63.999(c)(1) [G]§ 63.999(c)(4)

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

Table 1a: Additions

Date: 01/28/2025	Regulated Entity No.: RN100209451	Permit No.: 01386
Company Name: Motiva Enterprises LLC	Area Name: Port Arthur Refinery	

Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	SOP/GOP Index No.	Pollutant	Applicable Regulatory Requirement Name	Applicable Regulatory Requirement Standard(s)
5	TK01740	OP-UA3	60Ka	VOC	NSPS Ka	§ 60.112a(a)(3)
6	TK01741	OP-UA3	60Ka	VOC	NSPS Ka	§ 60.112a(a)(3)
8	TK01506	OP-UA1	63EEEE-02	HAPS	MACT 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
9	TK01507	OP-UA1	63EEEE-02	HAPS	MACT 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
10	TK01509	OP-UA1	63EEEE-02	HAPS	MACT 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
11	TK01508	OP-UA3	R5111-a1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1) <u>§ 115.112(a)(1)</u>

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

Table 1b: Additions

Date: 01/28/2025	Regulated Entity No.: RN100209451	Permit No.: 01386
Company Name: Motiva Enterprises LLC	Area Name: Port Arthur Refinery	

Revision No.	Unit/Group/Process ID No.	SOP/GOP Index No.	Pollutant	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
5	TK01740	60Ka	VOC	[G]§ 60.113a(a)(2) ** See Periodic Monitoring Summary	None	[G]§ 60.113a(a)(2)
6	TK01741	60Ka	VOC	[G]§ 60.113a(a)(2) ** See Periodic Monitoring Summary	None	[G]§ 60.113a(a)(2)
8	TK01506	63EEEE-02	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
9	TK01507	63EEEE-02	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
10	TK01509	63EEEE-02	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
11	TK01508	R5111-a1	VOC	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

5. MONITORING FORMS

This section contains the following Monitoring Form:

- ▶ Form OP-MON – Monitoring Requirements

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 5)
Federal Operating Permit Program
Table 2a: CAM/PM Deletions

I. Identifying Information
Account No.: JE0095D
RN No.: RN100209451
CN: CN600124051
Permit No.: O1386
Project No.: TBA
Area Name: Port Arthur Refinery
Company Name: Motiva Enterprises LLC
II. Unit/Emission Point/Group/Process Information
Revision No.: 5
Unit/EPN/Group/Process ID No.: TK01740
Applicable Form: OP-UA3
III. Applicable Regulatory Requirement
Name: 40 CFR Part 60, Subpart Ka
SOP/GOP Index No.: 60Ka
Pollutant: VOC
Main Standard: § 60.112a(a)(3)
IV. Title V Monitoring Information
Monitoring Type: PM
CAM/PM Option No.: PM-V-058, PM-V-059
V. Control Device Information
Control Device ID No.: N/A
Control Device Type: N/A
VI. Type of Deletion
Monitoring Requirement: Delete
Control Device:

Texas Commission on Environmental Quality
Monitoring Requirements
Form OP-MON (Page 5)
Federal Operating Permit Program
Table 2a: CAM/PM Deletions

I. Identifying Information
Account No.: JE0095D
RN No.: RN100209451
CN: CN600124051
Permit No.: O1386
Project No.: TBA
Area Name: Port Arthur Refinery
Company Name: Motiva Enterprises LLC
II. Unit/Emission Point/Group/Process Information
Revision No.: 6
Unit/EPN/Group/Process ID No.: TK01741
Applicable Form: OP-UA3
III. Applicable Regulatory Requirement
Name: 40 CFR Part 60, Subpart Ka
SOP/GOP Index No.: 60Ka
Pollutant: VOC
Main Standard: § 60.112a(a)(3)
IV. Title V Monitoring Information
Monitoring Type: PM
CAM/PM Option No.: PM-V-058, PM-V-059
V. Control Device Information
Control Device ID No.: N/A
Control Device Type: N/A
VI. Type of Deletion
Monitoring Requirement: Delete
Control Device:

Texas Commission on Environmental Quality

Title V Existing

1386

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	PORT ARTHUR REFINERY
Does the site have a physical address?	Yes
Physical Address	
Number and Street	2555 SAVANNAH AVE
City	PORT ARTHUR
State	TX
ZIP	77640
County	JEFFERSON
Latitude (N) (##.#####)	29.883055
Longitude (W) (-###.#####)	93.966388
Primary SIC Code	2911
Secondary SIC Code	
Primary NAICS Code	324110
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100209451
What is the name of the Regulated Entity (RE)?	PORT ARTHUR REFINERY
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	2555 SAVANNAH AVE
City	PORT ARTHUR
State	TX
ZIP	77640
County	JEFFERSON
Latitude (N) (##.#####)	29.883055
Longitude (W) (-###.#####)	-93.966388
Facility NAICS Code	
What is the primary business of this entity?	PETROLEUM REFINERY PETROLEUM TERMINALS AND CHEMICA

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN600124051
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Motiva Enterprises LLC
Texas SOS Filing Number	703846823
Federal Tax ID	760262490
State Franchise Tax ID	17602624904

State Sales Tax ID	
Local Tax ID	
DUNS Number	23838670
Number of Employees	501+
Independently Owned and Operated?	Yes

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Organization Name	Motiva Enterprises LLC
Prefix	MR
First	Jody
Middle	
Last	Moffett
Suffix	
Credentials	
Title	Vice President and General Manager
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 712
Routing (such as Mail Code, Dept., or Attn:)	
City	PORT ARTHUR
State	TX
ZIP	77641
Phone (###-###-####)	4099893230
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Jody.Moffett@Motiva.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	Motiva Enterprises LLC
Prefix	MR
First	Gary
Middle	
Last	Guilhas
Suffix	
Credentials	
Title	Vice President, Production
Enter new address or copy one from list	Responsible Official Contact Address
Mailing Address	
Address Type	Domestic

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

PO BOX 712

PORT ARTHUR

TX

77641

4099897487

Gary.Guilhas@Motiva.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

CHRISTOPHER SMITH(MOTIVA ENTERPRI...)

MOTIVA ENTERPRISES LLC

MR

CHRISTOPHER

SMITH

ENVIRONMENTAL SPECIALIST

Domestic

PO BOX 712

PORT ARTHUR

TX

77641

4092055761

Christopher.Smith@Motiva.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. What type of permitting action are you applying for?

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

SOP

29 Deg 52 Min 59 Sec

93 Deg 57 Min 59 Sec

New Application

Streamlined Revision

No

through permit conversion?

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

No

5) Who will electronically sign this Title V application?

Responsible Official

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-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

1.28.2025 Motiva O1386 Revision Application January 2025.pdf

Hash

A5F698510FC5231A8BB33F77C57BAC9838BF68555A90C4382AC66C26A33C66EB

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 Responsible Official 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 Jody M Moffett, the owner of the STEERS account ER101266.
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 1386.
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: Jody M Moffett OWNER OPERATOR

Account Number:	ER101266
Signature IP Address:	170.85.101.21
Signature Date:	2025-01-28
Signature Hash:	F75A5F6304374D697A57ABB04C06BFBE6C469CFDD87BACB3DD09E7DCE5EF57F5
Form Hash Code at time of Signature:	3BFCFB8E02C1CCE1D761A64FD4BB90A8914B126A70E822846A7176ACFA3C3955

Submission

Reference Number:	The application reference number is 748231
Submitted by:	The application was submitted by ER101266/Jody M Moffett
Submitted Timestamp:	The application was submitted on 2025-01-28 at 14:20:37 CST
Submitted From:	The application was submitted from IP address 170.85.101.21
Confirmation Number:	The confirmation number is 623337
Steers Version:	The STEERS version is 6.86
Permit Number:	The permit number is 1386

Additional Information

Application Creator: This account was created by Christopher D Smith